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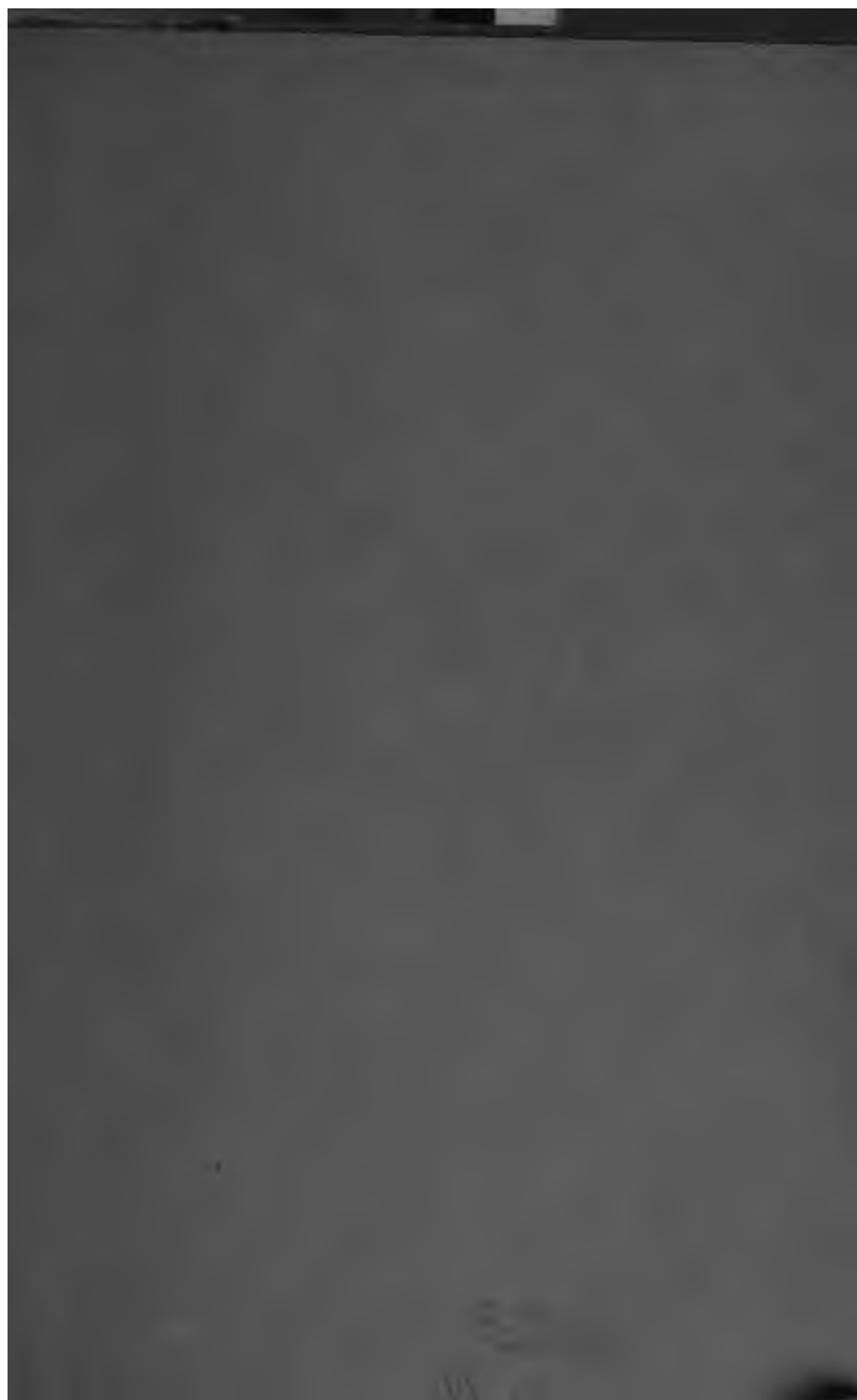
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SEVENTEENTH ANNUAL REPORT

RELATING TO THE REGISTRY AND RETURN OF

BIRTHS, MARRIAGES, AND DEATHS
IN MICHIGAN,

FOR THE YEAR 1883.

BY THE

SECRETARY OF STATE,

OF THE

STATE OF MICHIGAN.



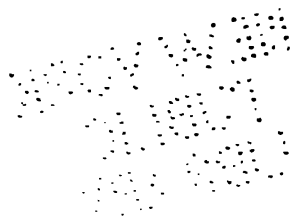
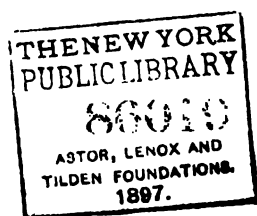
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E.W.D.



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MICHIGAN,
DEPARTMENT OF STATE, }
OFFICE OF THE SECRETARY, }
Aug. 20, 1885.

HON. RUSSELL A. ALGER, *Governor of Michigan*:

SIR,—In compliance with the requirements of the laws of this State, I have the honor to submit herewith the Seventeenth Annual Report on Births, Marriages, and Deaths, returned for the year ending December 31, 1883.

Some important changes have been made in the present Report, which it is hoped will be an improvement over the previous ones. A few of the tables, which required much time and labor in their compilation, and which were not generally understood, have been omitted entirely. Others are presented in a more compact form, although losing none of their real value; while other facts and figures which were heretofore given in tabulated form will be found only in the editorial comments. It has been the aim to include in the present volume only the really essential facts which are worth preserving, leaving out all theorizing matter which might have been interesting to a few, but was hardly appreciated by the general reader.

Under the present system of enumerating births and deaths after the year in which they occurred has passed, doubtless some are overlooked. For this reason exact mathematical accuracy cannot be claimed for the numbers which represent the three important items of births, marriages, and deaths. Care has been taken throughout the Report to use such terms as would convey the idea of numbers returned, and not those which actually occurred. A method of correction has been devised, which is believed to approximate very nearly to the actual number of births and deaths. This system of correction has been used for a number of years, and has been fully explained in previous Reports. These statistics are gradually becoming more accurate, but in some particulars the law providing for their collection might be improved. An effort was made during the session of the Legislature of 1885 by some friends who are interested in the subject, to change the law and thus remedy some of its present defects. A bill for the amendment of the law was accordingly prepared, and received the recommendation of the committee on State Affairs in the Senate, but for some reason it failed to become a law. This bill made it the duty of every person having charge of a birth or death to furnish for record with the township clerk all the facts connected therewith required by law, and also made it the duty of parents or eldest person next of kin to

record births and deaths, or ascertain that record had been made immediately after their occurrence. Had this bill become a law it would probably have resulted in more complete and accurate returns, an end much to be desired, and one which it is hoped will some day be attained.

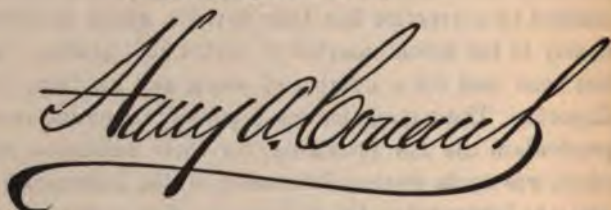
It is quite gratifying to state that the present Report is ready for distribution at an earlier period of the year than usual. The amount of labor and investigation required in preparing a document of this kind is not generally understood. Considering the fact that the returns annually tabulated number over seventy thousand, and by the various combinations of the tables, aggregate many times that number, and that the tables must all be completed before the special work of commenting can begin, it is certainly not discreditable that the present volume has been completed and published within a year from the time when the returns were received.

The returns of births, marriages, and deaths received from the county clerks for the year 1883, and the punctuality with which they were forwarded to this office in the majority of cases, merit in general much commendation. A few exceptions however occurred, which caused the department more or less trouble. For instance, the returns of births and deaths from Mackinac county for the year 1883, which should have been at this office by the first of September, 1884, were not received by us until the first of February, 1885. It is earnestly hoped that delays of this kind will be avoided in the future if possible. Aside from these, there is much to commend, not only in the preparation and transmission of the returns, but also in the readiness to correct by correspondence any defects which have been discovered.

The compilation of the State census of 1884 not being completed, it has been necessary to use again the census of 1880 as a basis for calculation.

The tables and the remarks upon them in the present Report have been prepared with much care and labor, and may be relied upon for their fidelity and accuracy.

Respectfully submitted,

A large, elegant handwritten signature in dark ink, reading "Amy A. Brown". The signature is written in a cursive style with long, flowing lines, particularly in the first and last letters of the first and last names.

Secretary of State.

BIRTHS, MARRIAGES, AND DEATHS,

IN MICHIGAN,

DURING THE YEAR 1883.

The results of registration expressed in figures, and showing the total number of births, marriages, and deaths which have been transmitted to the Department of State by the county clerks for the year 1883, are given in Exhibit A.

It appears that in the year 1883 there were recorded 40,809 births, 16,420 marriages, and 16,906 deaths; or 3,783 more births, 242 more marriages than were originally returned in 1882, the number being 16,178, and 481 more deaths than in the preceding year. It will also be observed that the average annual number of marriages for the ten years 1873-1882 was 13,421, which is 2,999 less than was returned for the year 1883. The average annual number of births for the ten years 1873-1882 was 34,173, a number less by 6,636 than was reported for 1883. The average annual number of deaths for the same period of years was 14,318, which is less by 2,588 than was returned for 1883, and less by 4,920 than was returned for the year 1881.

The natural increase of population, or excess of births over deaths, was 23,903, or 3,302 more than for the year 1882, and 4,048 more than the average for the ten years 1873-1882.

As compared with other years, the returns of births and marriages show a considerable increase, while the number of deaths is less than in 1881, although more than for any other year. The large increase in the number of deaths for 1881 was the result of the fatal epidemics of diphtheria and scarlet fever which prevailed to such a wide extent over Michigan during that year. The natural increase of population, or excess of births over deaths, was more than for any year since the registration began in this State. The showing in regard to births and deaths when corrected for omissions should be taken with some caution, because the correction is based upon certain hypotheses which may be more or less erroneous, and hence modify the accuracy of the method of correction.

EXHIBIT A.—Births, Marriages, and Deaths Returned as having occurred in Michigan during each of the Years 1880 to 1883, inclusive, including those in unknown Month, as Returned, and as Corrected for Omissions in the Enumeration.

	1880.	1881.	1882.	1883.	Average, 10 Years 1873-82.
As Returned.					
Marriages..... ^a	14,935	15,838	16,708	16,420	13,421
Births.....	35,323	34,740	37,026	40,809	34,173
Deaths.....	16,102	19,238	16,425	16,906	14,318
Excess of births over deaths.....	19,221	15,511	20,601	23,903	19,855
As Cor- rected for Omissions.					
Births.....	50,643	49,800	49,813	56,215	49,539
Deaths.....	26,256	27,387	27,306	23,640	21,462
Excess of births over deaths.....	24,387	22,413	22,507	32,575	28,057

^a Corrected for additional returns up to Dec. 22, 1884.

EXHIBIT B.—Statements concerning Births, Marriages, and Deaths in Michigan during the Years 1879-1883, inclusive.

	1879. ^a	1880. ^c	1881. ^c	1882. ^c	1883. ^c
Inhabitants represented by returns of marriages to one marriage..... ^b	95.50	89.46	103.31	97.91	99.65
In population, represented by marriages, males to one marriage.....	49.91	46.75	54.42	51.58	52.49
In population, represented by marriages, females to one marriage.....	45.59	42.71	48.88	46.33	47.15
Inhabitants represented by births to each child returned.....	38.76	46.07	46.90	44.11	40.02
Inhabitants, males to each male child returned...	38.00	46.61	47.82	44.85	40.57
Inhabitants, females to each female child returned	38.71	45.65	46.08	43.41	39.58
Inhabitants represented by deaths to one death...	91.49	100.86	84.31	99.34	96.59
Inhabitants, males to one death of male.....	91.53	98.86	83.18	98.68	94.48
Inhabitants, females to one death of female.....	91.95	103.84	86.23	100.85	99.78
Deaths, males to 100 females.....	109.84	116.67	115.19	113.69	117.46
Births, males to 100 females.....	108.83	108.79	107.13	107.83	108.52
Total population of State, males to 100 females...	109.47	111.33	111.33	111.33	111.33
Births to one death.....	2.37	2.19	1.81	2.25	2.41
Births, males to one death of male.....	2.36	2.13	1.75	2.20	2.33
Births, females to one death of female.....	2.28	2.28	1.88	2.32	2.52
Children born of which the sex was unknown or not stated.....	48.00	62.00	61.00	60.00	81.00
Decedents of which the sex was unknown or not stated.....	37.00	47.00	65.00	48.00	57.00
Natural daily increase of population as per births and deaths returned.....	54.01	52.52	42.49	56.44	66.00
Natural daily increase of population where returns of births and deaths are corrected for omissions in the enumeration.....	80.95	66.63	61.41	61.66	89.00

^a In computing statements for this column, the population of 1874 was used.

^b Marriages corrected for additional returns up to Dec. 22, 1884.

^c In computing statements for this column, the population of 1880 was used.

Exhibit B is similar to that in previous Reports with the data of 1883 added. It is prepared for the purpose of studying the various relations between births, marriages, deaths, and inhabitants during each of the years 1879-1883. In the computations for the year 1879 the population in 1874 was used, and in the statements for the years 1880-1883, the population in 1880 was used as the basis of calculations. The increase in population from year to year should be considered when the estimates are compared with those of previous years. The average annual rate of increase in the population between the two census years 1870 and 1880, was 3.291 per cent. Using this as the rate of increase for the present period, the estimated population of Michigan for the year 1883 would be 1,803,928. This estimate is not far from correct as the total population in 1884, according to the first count of the census, is 1,856,100.

Exhibit B also shows that one child was born to every 40 persons of the population, that one marriage was solemnized to every 100 persons, and that one death occurred to every 96 persons. The rates of births, marriages, and deaths to 1,000 of population, for the year 1883, were as follows:

Births.....	24.99 to 1,000 of population.
Marriages.....	10.03 " "
Deaths.....	10.35 " "

In Exhibit C will be seen the rate of increase of population in some of the leading European nations, and also in Massachusetts and Michigan. The rates for Michigan are obtained from the returns of births and deaths as corrected for omissions in the enumeration.

EXHIBIT C.—*Rates of Births, Marriages, and Deaths in Various Countries, 1860-1880.*

COUNTRIES.	AVERAGE—1860-1879.				1880.			
	Birth-rate.	Death-rate.	Excess of Birth-rate over Death-rate.	Marriage-rate.	Birth-rate.	Death-rate.	Excess of Birth-rate over Death-rate.	Marriage-rate.
Michigan.....					31.1	16.2	14.9	17.2
Massachusetts.....	26.2	19.7	6.5	18.9	24.8	19.8	5.0	17.4
England and Wales.....	35.4	22.0	13.4	16.6	34.2	20.5	13.7	14.9
Denmark.....	31.2	19.7	11.5	15.4	31.8	20.4	11.4	15.2
Sweden.....	31.2	19.2	12.0	13.6	29.4	18.1	11.3	12.6
Austria.....	39.9	30.8	9.1	17.2	37.3	29.6	7.7	15.1
Prussia.....	38.6	26.5	12.1	17.2	37.9	25.5	12.4	15.4
Netherlands.....	35.4	24.6	10.8	16.2	35.6	23.6	12.0	15.0
France.....*	26.0	23.6	2.4	15.9				
Hungary.....†	42.6	38.9	3.7	20.8	42.9	38.6	4.3	18.2
Switzerland.....‡	31.6	24.0	7.6	15.3	29.6	21.9	7.7	13.6
Italy.....§	37.2	29.9	7.3	15.2	33.6	30.5	3.1	13.8
Spain.....||	37.2	29.7	7.5	15.1				
German Empire.....¶	38.8	27.0	12.8	17.7	37.7	26.1	11.6	15.0

* For 19 years. † 13 years. ‡ 9 years. § 10 years. || 17 years. ¶ 8 years.

EXHIBIT D.—*The Number of Marriages, Births, Deaths, and Excess of Births over Deaths in the State of Michigan during the Year 1883, and the Average Number and Excess during Specified Periods of Time within the Year as Returned, and the same for Births and Deaths as Corrected for Omissions in the Enumeration.*

PERIODS OF TIME,—1883.		Marriages, 1883.	Births, 1883.	Deaths, 1883.	Excess of Births over Deaths.
As Returned.	Year 1883..... ^a	16,430	40,809	16,906	23,903
	Quarter.....	4,105	10,202	4,227	5,975
	Month.....	1,368	3,401	1,400	1,992
	Week.....	368	785	325	460
	Day.....	45	112	46	66
Births and Deaths as Corrected.	Year 1883..... ^b	.....	56,215	23,640	32,575
	Quarter.....	.....	14,054	5,910	8,144
	Month.....	.....	4,685	1,970	2,715
	Week.....	.....	1,081	455	626
	Day.....	.....	154	65	89

^a Unknown month included.

^b Corrected as if enumerated in months of occurrence.

The facts presented in Exhibit D show the number of births, marriages, and deaths, during the year 1883, for certain specified periods of time. It will be observed that the average number of marriages per day was 45, the average number of births per day 112, the average number of deaths 46, and the average excess of births over deaths 66 persons per day. These results are often better understood when given for short periods of time as above.

Exhibit E shows, by months, the number of births, the number of deaths, and the excess of births over deaths for each of the years 1878-1883, the number of births and deaths in unknown month being excluded. The average excess for ten years, 1874-1883, was 20,212, while the excess for the year 1883 was 23,910, showing the year 1883 to be more than an average one as regards the natural increase of population. In the average excess for the ten years, the month of December has the largest number, but in the year 1883 the month of October has the largest number. The least excess in the average occurs for the month of February, while the least excess for the year 1883 is in January.

BIRTHS, MARRIAGES, AND DEATHS.

5

EXHIBIT E.—By Months, the Births, Deaths, and Excess of Births over Deaths, according to the Returns, in Michigan during each of the Years 1878-1883, inclusive.

	Total. ^a	MONTHS.											
		Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1878	35,130	2,201	2,414	2,836	2,997	2,805	2,797	2,855	3,295	3,260	3,265	3,091	3,423
Deaths	12,742	730	789	930	1,029	923	870	1,017	1,371	1,343	1,190	1,181	1,369
Excess of births	22,388	1,471	1,625	1,906	1,968	1,882	1,927	1,838	1,924	1,917	2,076	1,880	2,054
1879	34,662	2,429	2,331	2,738	2,766	2,842	2,626	3,018	3,198	3,149	3,035	2,766	3,253
Deaths	14,366	903	992	1,114	1,174	1,083	902	1,183	1,537	1,403	1,285	1,268	1,521
Excess of births	19,726	1,526	1,339	1,644	1,592	1,759	1,724	1,835	1,661	1,746	1,750	1,498	1,732
1880	35,287	2,355	2,513	2,850	2,824	2,880	2,772	3,011	3,285	3,278	3,173	3,068	3,278
Deaths	16,059	860	1,002	1,149	1,289	1,166	1,036	1,527	1,780	1,676	1,471	1,486	1,617
Excess of births	19,228	1,495	1,511	1,701	1,535	1,714	1,736	1,484	1,505	1,602	1,702	1,582	1,661
1881	34,715	2,393	2,432	2,835	2,805	2,887	2,712	3,027	3,313	3,204	3,078	2,854	3,179
Deaths	19,172	1,005	1,078	1,315	1,437	1,457	1,276	1,701	2,246	2,301	1,941	1,617	1,748
Excess of births	15,547	1,388	1,354	1,520	1,378	1,430	1,436	1,326	1,067	903	1,137	1,237	1,431
1882	36,985	2,486	2,536	3,004	3,050	3,031	2,733	3,100	3,521	3,444	3,379	3,215	3,477
Deaths	16,347	978	1,171	1,372	1,311	1,480	1,264	1,284	1,453	1,545	1,468	1,421	1,570
Excess of births	20,638	1,508	1,365	1,632	1,748	1,551	1,469	1,816	2,068	1,899	1,881	1,794	1,907
1883	40,767	2,654	2,734	3,312	3,455	3,607	3,833	3,576	3,765	3,694	3,564	3,358	3,555
Deaths	16,857	1,066	1,134	1,374	1,500	1,430	1,254	1,439	1,651	1,613	1,401	1,397	1,598
Excess of births	23,910	1,588	1,600	1,938	1,955	2,237	2,579	2,137	2,114	2,081	2,263	1,961	1,957
Monthly averages of excess for 1874 to 1883, inclusive...	20,212	1,456	1,425	1,672	1,655	1,740	1,745	1,784	1,719	1,680	1,777	1,723	1,836

^a Unknown month excluded.

VITAL STATISTICS OF MICHIGAN, 1883.

EXHIBIT F.—*Showing, by Sex, the Population in 1880, the Number of Marriages, Births, and Deaths, and the Excess of Births over Deaths, in Michigan during the Year 1883, according to the Returns.*

STATE AND COUNTIES.	POPULATION, 1880.			Marriages, 1883.	BIRTHS, 1883.			DEATHS, 1883.			EXCESS OF BIRTHS OVER DEATHS.					
	Total.	Sex.			Total.	Sex.		Total.	Sex.		Total.	Sex.				
		Males.	Females.			Males.	Fe- males.		Un- known.	Males.		Fe- males.	Un- known.	Males.	Fe- males.	Un- known.
STATE	1,636,937	862,335	774,582	16,420	40,869	21,196	19,532	81	16,906	9,101	7,748	57	23,903	12,005	11,784	24
Alcona.....	3,107	1,945	1,162	32	31	14	17	.....	14	8	6	.....	17	6	11	.....
Allegan.....	37,815	19,732	18,083	384	876	480	396	.....	352	103	157	.....	524	285	239	.....
Alpena.....	8,789	5,161	3,628	148	370	195	175	.....	104	60	44	.....	206	135	131	.....
Antrim.....	5,237	2,867	2,370	75	207	104	102	1	70	37	32	1	137	67	70	.....
Arenac.....	.....	.....	.....	14	102	51	50	1	39	22	16	1	63	29	34	.....
Baraga.....	1,804	1,036	768	10	66	35	31	.....	34	20	14	.....	32	15	17	.....
Barry	25,317	13,284	12,033	207	486	244	242	.....	188	100	88	.....	298	144	154	.....
Bay	38,081	21,008	16,983	252	1,506	752	754	.....	511	260	251	.....	985	492	503	.....
Benzle	3,433	1,862	1,571	31	115	56	59	.....	55	25	30	.....	60	31	29	.....
Berrien	36,785	18,805	17,980	554	659	336	322	1	272	136	134	2	387	200	188	-1
Branch	27,941	14,240	13,701	292	448	241	206	1	233	117	116	.....	215	124	90	1
Calhoun	38,452	19,599	18,853	328	694	336	344	14	364	190	159	15	330	146	185	-1
Cass	22,000	11,350	10,659	203	320	172	148	.....	132	74	58	.....	188	98	90	.....
Charlevoix	5,115	2,743	2,372	68	189	98	91	.....	86	37	49	.....	103	61	42	.....
Cheboygan	6,524	3,760	2,764	89	239	124	115	.....	63	42	21	.....	176	82	94	.....
Chippewa.....	5,248	2,906	2,342	37	175	82	93	.....	74	40	34	.....	101	42	59	.....
Clare	4,187	2,793	1,394	31	87	42	45	.....	21	13	8	.....	66	29	37	.....
Clinton	28,100	14,657	13,443	203	460	229	231	220	113	113	234	116	118

BIRTHS, MARRIAGES, AND DEATHS.

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	1,150	683	476	20	26	14	11	14	11	14	6	6	11	6	5	
Crawford.....	1,150	683	476	20	26	14	11	14	11	14	6	6	11	6	5
Delta.....	6,812	4,172	2,640	103	268	142	126	40	32	32	17	17	219	110	106	.....
Eaton.....	31,225	16,073	15,153	244	698	301	297	276	145	131	131	131	322	136	166	.....
Emmet.....	6,639	3,544	3,095	83	163	97	65	92	56	38	38	38	70	41	29	.....
Genesee.....	39,230	20,042	19,178	353	687	319	336	294	164	120	120	120	393	185	207	1
Gladwin.....	1,127	749	378	4	17	9	8	6	3	3	3	3	11	6	5	.....
Grand Traverse.....	8,422	4,608	3,814	78	284	148	135	126	65	61	61	61	158	83	74	1
Graiot.....	21,936	11,687	10,249	208	487	243	243	170	93	76	76	76	317	150	167	.....
Hilledale.....	32,723	16,544	16,179	377	478	246	231	268	140	127	127	127	210	108	104	.....
Houghton.....	22,473	12,242	10,231	221	985	510	474	252	133	118	118	118	733	377	356	.....
Huron.....	20,080	10,714	9,375	155	782	397	385	172	95	77	77	77	610	302	308	.....
Ingham.....	33,676	17,399	16,277	284	514	264	280	303	159	144	144	144	241	105	136	.....
Ionia.....	33,872	17,974	15,896	312	574	276	298	269	138	130	130	130	305	138	168	-1
Iosco.....	6,873	4,097	2,776	85	337	182	154	109	67	42	42	42	228	115	112	1
Isabella.....	12,159	6,602	5,557	126	406	200	205	163	76	86	86	86	243	124	119	.....
Isle Royal.....	55	31	24	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Jackson.....	42,031	21,833	20,188	456	861	422	439	354	175	179	179	179	507	247	280	.....
Kalamazoo.....	34,342	17,343	16,090	288	536	276	280	364	183	171	171	171	202	93	109	.....
Kalkaska.....	2,937	1,617	1,320	21	56	20	36	26	15	11	11	11	30	5	25	.....
Kent.....	73,253	38,014	35,239	881	1,982	1,041	940	849	445	403	403	403	1,133	506	537	.....
Keweenaw.....	4,270	2,396	1,874	31	274	148	128	61	41	20	20	20	213	107	106	.....
Lake.....	3,233	1,941	1,292	33	110	57	53	23	11	12	12	12	87	46	41	.....
Lapeer.....	30,138	15,827	14,311	262	652	332	319	242	121	120	120	120	410	211	199	.....
Leelanaw.....	6,233	3,388	2,805	48	150	74	76	82	43	39	39	39	68	31	37	.....
Lenawee.....	48,543	24,241	21,062	475	664	338	326	390	189	191	191	191	284	149	135	.....
Livingston.....	22,251	11,620	10,631	156	286	181	145	134	77	57	57	57	192	104	88	.....

* The figures with the minus sign placed before them indicate the excess of deaths over births.

VITAL STATISTICS OF MICHIGAN, 1883.

EXHIBIT F.—CONTINUED.

COUNTIES.	POPULATION, 1880.			Marriages, 1883.	BIRTHS, 1883.				DEATHS, 1883.				EXCESS OF BIRTHS OVER DEATHS.			
	Total.	Sex.			Total.	Sex.			Total.	Sex.			Total. ^a	Sex.		
		Males.	Females.			Males.	Fe- males.	Un- known.		Males.	Fe- males.	Un- known.		Males.	Fe- males.	Un- known.
Mackinac.....	2,902	1,689	1,213	34	38	17	21	-----	7	5	2	-----	31	12	19	-----
Macomb.....	31,627	16,157	15,470	232	729	403	324	-----	334	174	160	-----	385	231	164	-----
Manistee.....	12,532	6,969	5,563	270	592	331	260	1	193	118	79	1	394	213	181	-----
Manitou.....	1,334	713	616	3	22	13	9	-----	18	11	7	-----	4	2	2	-----
Marquette.....	25,304	14,760	10,634	267	1,139	562	557	-----	360	204	156	-----	779	378	401	-----
Mason.....	10,065	5,659	4,406	144	315	147	168	-----	107	62	45	-----	208	85	123	-----
Mecosta.....	13,973	7,626	6,347	231	374	212	162	-----	174	96	78	-----	200	116	84	-----
Menominee.....	11,987	8,000	3,987	161	432	223	207	2	132	77	55	-----	300	146	152	2
Midland.....	6,893	3,780	3,113	88	185	108	77	-----	88	47	41	-----	97	61	36	-----
Misaukee.....	1,553	942	611	12	85	42	43	-----	47	31	16	-----	38	11	27	-----
Monroe.....	33,624	17,250	16,374	387	766	426	338	2	268	149	119	-----	498	277	219	2
Montcalm.....	33,148	18,321	14,827	356	671	337	334	-----	241	120	121	-----	430	217	213	-----
Montmorency.....	-----	-----	-----	1	22	17	5	-----	6	4	2	-----	16	13	3	-----
Muskegon.....	26,566	14,784	11,892	387	1,017	493	524	-----	270	145	124	1	747	348	400	-1
Nowaygo.....	14,688	8,376	6,312	173	440	250	190	-----	152	86	66	-----	288	164	124	-----
Oakland.....	41,537	21,327	20,210	315	630	321	306	3	403	219	183	1	227	102	123	2
Oceana.....	11,699	6,444	5,255	129	300	157	147	5	101	66	35	-----	208	91	119	5
Ogemaw.....	1,914	1,163	746	21	43	25	18	-----	15	9	6	-----	28	16	12	-----
Ontonagon.....	2,665	1,335	1,280	17	77	40	37	-----	27	17	10	-----	50	23	27	-----
Osceola.....	10,777	6,015	4,762	142	384	210	167	7	124	71	49	4	260	139	118	3
Oscoda.....	467	291	176	13	18	9	9	-----	6	5	1	-----	12	4	8	-----

BIRTHS, MARRIAGES, AND DEATHS.

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	1,074	1,137	837	23	88	30	40	40	18	23	48	21	27
Olaego.....	33,126	17,473	15,654	350	900	501	461	7	362	194	105	3	007	307	290	4
Ottawa.....	3,113	1,701	1,412	21	173	80	83	.....	56	24	32	.....	116	05	51	.....
Presque Isle.....	1,459	1,096	383	17	16	7	9	.....	13	10	5	.....	1	-3	4	.....
Roscommon.....	59,005	31,803	27,292	629	1,850	936	913	11	754	418	324	12	1,106	518	530	-1
Saginaw.....	26,341	14,023	12,318	190	765	384	381	.....	191	96	95	.....	574	288	286	.....
Sanilac.....	1,575	1,007	478	25	23	16	7	.....	11	5	6	.....	12	11	1	.....
Schoolcraft.....	27,050	14,248	12,811	923	456	232	223	2	172	93	73	1	284	134	149	1
Shiawassee.....	46,197	23,922	22,975	377	970	511	463	3	463	247	216	.....	513	264	246	3
St. Clair.....	26,626	13,516	13,110	339	460	250	205	5	242	121	116	5	218	129	89	.....
St. Joseph.....	25,738	13,644	12,094	241	729	389	339	1	246	122	123	1	483	267	216	.....
Tuscola.....	30,807	15,757	15,050	281	535	279	255	1	184	88	96	.....	351	191	150	1
Van Buren.....	41,848	21,250	20,598	333	614	330	282	2	312	178	164	.....	272	152	118	2
Washtenaw.....	166,444	82,917	83,527	1,561	5,358	2,908	2,449	1	2,740	1,547	1,192	1	2,618	1,361	1,257	.....
Wayne.....	6,815	3,903	2,912	75	205	102	103	.....	104	56	48	.....	101	46	55	.....
Wexford.....																

* The figures with the minus sign placed before them indicate the excess of deaths over births.

BIRTHS, 1883.

The number of births returned as having occurred in this State in 1883 was 40,809. This number is considerably larger than has been returned for any year since the registration began in 1867, being 3,783 larger than was reported for the year 1882, and 8,318 larger than the average for the thirteen years 1870-1882.

The population of Michigan, according to the U. S. Census of 1880, was 1,636,937. When 3,877 is subtracted, being the number of inhabitants from whom no returns of births were received, we have 1,633,060 as the number of inhabitants represented by the returns of births for 1883. It will be observed, therefore, that one child was born to every 40 persons in the State, and 24.99 births to every thousand of the people. The birth-rate for the year 1883 is somewhat larger than for the previous years.

The following tabular exhibit shows, according to our estimations, the per cent of births returned and the per cent of births added as a correction for omissions in the enumeration for each of the years 1874-1883. It will be noticed that the year 1883 was a little better than an average one as regards the per cent of births returned, the per cent for 1883 being 72.57, while the average per cent for the ten years 1874-1883 was 68.84.

Y E A R S .	Per Cent of Births Returned.	Per Cent of Births Added as Correction for Omissions.
1874.....	55.75	79.37
1875.....	68.61	45.76
1876.....	75.73	32.04
1877.....	66.47	50.44
1878.....	67.41	48.34
1879.....	68.05	46.91
1880.....	69.73	43.42
1881.....	69.76	43.35
1882.....	74.31	34.57
1883.....	72.57	37.79
Av. for 10 years.....	68.84	46.20

According to the plan of correction for omissions in the enumeration which has been adopted in previous Reports, the number of births returned for 1883 should be increased by about 37 per cent in order to equal the number which actually occurred. This system has its defects and does not always indicate the true number, as, when the birth-rate is unusually increased it tends to make the numbers as corrected too small, and when the birth-rate is much decreased its tendency is to make them too large. As long as the birth-rate continues about the same, from year to year, the system seems practicable. As seen in the following tabular exhibit, the birth-rate, when thus corrected, was 3.44 for every hundred of the inhabitants, or 34.40 for every thousand.

SEX.	Inhabitants in 1880 Represented by Births in 1883.	Births as Returned.	Births Corrected for Omissions in Enumer- ating.	PER CENT OF BIRTHS TO INHABITANTS.	
				Births as Returned.	Births Corrected for Omissions.
Total	1,633,060	40,809	56,215	2.49	3.44

The number of births per quarter, per month, per week, and per day, during the year 1883, may be seen in the following tabular exhibit:

PERIODS OF TIME.	Births as Returned.	Corrected for Omissions.	Corrected with 46.20 Per Cent.
Per quarter	10,202	14,054	14,916
Per month	3,401	4,685	4,972
Per week	785	1,081	1,147
Per day	112	154	163

Table 1 shows the number and proportion of births returned as having occurred in each quarter of the years 1880-1883, and also the average for ten years 1873-1882. As is the case with each of the preceding years, except 1882, the largest proportion of births is returned for the quarter of the year ending with September, the next largest for the quarter ending with December. This is also true for the average. According to the returns, more births occur in the last six months of the year than in the first six months, about 45 per cent of the births occurring in the first half, and 55 per cent in the last half. The lower half of the table shows the births by quarters of the year when corrected for omissions.

TABLE 1.—*Births by Quarters of the Year for the Years 1880-1883, and the Average for Ten Years 1873-1882.*

TOTALS, AND MONTHS WITH WHICH QUARTERS END.		1880.		1881.		1882.		1883.		Av. for 10 Years, 1873-1882.	
		Num-ber.	Per Cent of Total.	Num-ber.	Per Cent of Total.	Num-ber.	Per Cent of Total.	Num-ber.	Per Cent of Total.	Num-ber.	Per Cent of Total.
Totals.....		35,323	100.00	34,749	100.00	37,026	100.00	40,809	100.00	34,173	100.00
As Returned.	{ March.....	7,718	21.85	7,660	22.04	8,026	21.68	8,700	21.32	7,905	21.38
	{ June.....	8,476	24.00	8,404	24.18	8,823	23.83	10,453	25.62	8,242	24.12
	{ September..	9,574	27.10	9,544	27.47	10,065	27.18	11,025	27.04	9,377	27.44
	{ December..	9,519	26.95	9,111	26.22	10,071	27.20	10,577	25.92	9,197	26.91
	{ Unknown..	36	.10	30	.09	41	.11	42	.10	52	.15
Average..... ^a		8,831	25.00	8,687	25.00	9,257	25.00	10,202	25.00	8,543	25.00
Totals.....		50,643	100.00	49,800	100.00	49,813	100.00	56,215	100.00	49,539	100.00
As Corrected for Omissions.	{ March.....	12,626	24.93	12,502	25.10	12,007	24.28	13,482	23.98	12,103	24.43
	{ June.....	12,808	25.29	12,675	25.45	12,430	24.95	15,081	26.83	12,620	25.48
	{ September..	13,229	26.12	13,172	26.45	13,128	26.36	14,689	26.13	13,099	26.44
	{ December..	*11,944	23.58	11,421	22.93	12,117	24.33	12,921	22.99	11,665	23.55
	{ Unknown..	36	.07	30	.06	41	.08	42	.07	52	.10
Average..... ^a		12,661	25.00	12,450	25.00	12,453	25.00	14,054	25.00	12,385	25.00

^a The number in unknown quarter of year included.

In Table 2 may be seen the order of the months for each of the years 1881-1883, and the average for ten years. The months which have the greatest number of births are placed first. The highest birth-rate was in August not only for each year in the table, but also for the average. The lowest rate in 1883 was in January, and the same is true for each year and also for the average. It is well to bear in mind the fact, however, that in all probability a smaller proportion of the births are returned for the earlier months of the year, owing to the greater length of time between the occurrence of the births and their enumeration by the supervisors.

TABLE 2.—*Births during the Years 1881-1883, inclusive, according to Returns, exhibiting the Number and Per Cent of Total by Months, arranged in Order by Number, Months having the greatest number first.*

ORDER.	1881.			1882.			1883.			AVERAGE FOR 10 YEARS, 1873-1882.		
	Months.	Num- ber.	Per Cent of Total.	Months.	Num- ber.	Per Cent of Total.	Months.	Num- ber.	Per Cent of Total.	Months.	Num- ber.	Per Cent of Total.
	Total..	34,749	100.00	Total..	37,026	100.00	Total..	40,809	100.00	Total..	34,173	100.00
1	Aug....	3,313	9.53	Aug....	3,521	9.51	Aug. ..	3,765	9.23	Aug. ...	3,249	9.51
2	Sept. ...	3,204	9.22	Dec. . .	3,477	9.39	Sept. ...	3,694	9.05	Dec.	3,207	9.39
3	Dec.	3,179	9.15	Sept.	3,444	9.30	May ...	3,667	8.98	Sept. ...	3,198	9.36
4	Oct.	3,078	8.86	Oct.	3,379	9.13	Oct.	3,664	8.98	Oct.	3,070	8.98
5	July ...	3,027	8.71	Nov.	3,215	8.68	July ...	3,576	8.76	July ...	2,930	8.57
6	May ...	2,887	8.31	July ...	3,100	8.37	Dec.	3,555	8.71	Nov.	2,920	8.55
7	Nov.	2,854	8.21	April. .	3,059	8.26	April. .	3,455	8.47	May ...	2,810	8.23
8	Mar.	2,835	8.16	May ...	3,031	8.19	Nov.	3,358	8.23	April. .	2,760	8.06
9	April. .	2,905	8.07	Mar.	3,004	8.11	June ...	3,333	8.17	Mar. ...	2,744	8.03
10	June ...	2,712	7.80	June ...	2,753	7.38	Mar.	3,312	8.12	June ...	2,672	7.82
11	Feb.	2,432	7.00	Feb.	2,536	6.85	Feb.	2,734	6.70	Feb.	2,315	6.77
12	Jan.	2,393	6.85	Jan.	2,486	6.72	Jan.	2,654	6.50	Jan.	2,246	6.57
	Unk. ...	30	.09	Unk. ...	41	.11	Unk. ...	42	.10	Unk. ...	52	.15
	Av. ^a	2,896	8.33	Av. ^a	3,096	8.33	Av. ^a	3,401	8.33	Av. ^a	2,848	8.33

^a Including births in unknown month.

Table 3 shows the order of the months after the returns of births are corrected for the probable omissions in the enumeration. By comparing the two it will be observed that the order of the months is not the same, but the month of August still heads the list, except for the year 1883. The month of November appears to have the lowest rate, both in the average and in the majority of the years of the table.

TABLE 3.—*Births during the Years 1881-1883, inclusive, as Corrected for Omissions in the Enumeration, exhibiting the Number and Per Cent of Total, by Months arranged in Order by Number, Months having the greatest Number first.*

ORDER.	1881.			1882.			1883.			AVERAGE FOR 10 YEARS, 1873-1882.		
	Months.	Num- ber.	Per Cent of Total.	Months.	Num- ber.	Per Cent of Total.	Months.	Num- ber.	Per Cent of Total.	Months.	Num- ber.	Per Cent of Total.
	Total..	49,800	100.00	Total..	49,813	100.00	Total..	56,215	100.00	Total..	49,539	100.00
1	Aug....	4,575	9.19	Aug....	4,597	9.25	May....	5,288	9.41	Aug....	4,544	9.17
2	Mar....	4,514	9.06	Mar....	4,432	8.90	April..	5,109	9.09	Mar....	4,436	8.95
3	May....	4,353	8.74	April..	4,410	8.85	Mar....	5,020	8.93	April..	4,344	8.77
4	April..	4,348	8.73	Sept....	4,379	8.79	Aug....	5,013	8.92	Sept....	4,328	8.74
5	July....	4,308	8.65	May....	4,266	8.56	July....	4,893	8.70	May....	4,299	8.68
6	Sept....	4,289	8.61	Oct....	4,182	8.40	Sept....	4,783	8.51	July....	4,227	8.53
7	Jan....	4,013	8.06	July....	4,152	8.33	June....	4,684	8.33	Oct....	4,016	8.11
8	Oct....	3,990	8.01	Dec....	4,066	8.16	Oct....	4,609	8.20	June....	3,978	8.03
9	Feb....	3,975	7.98	Nov....	3,809	7.77	Feb....	4,244	7.55	Dec....	3,954	7.98
10	June....	3,974	7.98	Jan....	3,837	7.70	Jan....	4,218	7.50	Feb....	3,840	7.75
11	Dec....	3,852	7.74	Feb....	3,828	7.68	Dec....	4,211	7.49	Jan....	3,826	7.72
12	Nov....	3,579	7.19	June....	3,754	7.53	Nov....	4,101	7.29	Nov....	3,695	7.46
	Unk....	30	.06	Unk....	41	.08	Unk....	42	.08	Unk....	52	.11
	Av.... ^a	4,150	8.33	Av.... ^a	4,151	8.33	Av.... ^a	4,685	8.33	Av.... ^a	4,128	8.33

^a Including births in unknown month.

Table 4 shows the number of births in each county of the State during the year 1883, the number in each month of the year, and the number of each sex respectively. According to the returns, the number of male children born in Michigan during the year 1883, was 21,196. This number is larger by 2,017 than that of 1882, and larger by 3,255 than that of 1881. The number of female children whose births were returned in 1883, was 19,532, which is larger than has been recorded in any previous year and 1,745 larger than was returned in 1882. In every year the births of males in this State have largely exceeded the births of females. For a period of fifteen years from 1868 to 1882, the average excess of male births has been 109 males to each 100 females. For 1883 there were also 109 males to 100 females.

The number of births in 1883, in which the sex was not returned, was 81, which is 21 more than were reported in 1882. Of this number, 14 were returned from Calhoun, 11 from Saginaw, and 7 each from Osceola and Ottawa. A little more care on the part of the enumerators would avoid such incomplete returns.

TABLE 4.—*Exhibiting, by Counties and by Sex, the Number of Children Returned as having been Born in Michigan during the Year, and in each Month of the Year ending Dec. 31, 1883. (Still-births included.)*

STATE AND COUNTIES.		SEX.	Year, 1883.	MONTHS, 1883.												
				January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
State	Total	.....	40,809	2654	2734	3312	3455	3667	3333	3576	3765	3694	3664	3358	3555	42
	Males	.....	21,196	1359	1375	1724	1763	1923	1778	1825	1966	1948	1885	1798	1829	23
	Females	.....	19,532	1292	1350	1583	1686	1738	1547	1745	1793	1736	1769	1554	1721	18
	Unknown	.....	81	3	9	5	6	6	8	6	6	10	10	6	5	1
Alcona	Total	.....	31	1	4	1	3	5	4	1	2	4	2	1	3	---
	Males	.....	14	---	2	---	1	4	1	---	2	1	2	---	1	---
	Females	.....	17	1	2	1	2	1	3	1	---	3	---	1	2	---
Allegan	Total	.....	876	39	76	81	90	92	65	71	73	96	71	63	59	---
	Males	.....	480	18	36	43	54	50	38	39	41	58	38	35	30	---
	Females	.....	396	21	40	38	36	42	27	32	32	38	33	28	29	---
Alpena	Total	.....	370	34	16	31	37	38	34	30	44	29	26	24	27	---
	Males	.....	195	21	12	19	21	16	13	14	29	9	15	12	14	---
	Females	.....	175	13	4	12	16	22	21	16	15	20	11	12	13	---
Antrim	Total	.....	207	10	11	13	18	20	29	16	24	20	17	16	13	---
	Males	.....	104	7	3	10	6	10	15	9	11	7	10	9	7	---
	Females	.....	102	3	8	3	12	10	14	7	13	13	6	7	6	---
	Unknown	.....	1	---	---	---	---	---	---	---	---	---	1	---	---	---
Arenac	Total	.....	102	14	9	15	10	7	3	10	8	6	8	7	5	---
	Males	.....	51	8	4	5	5	3	2	7	3	3	5	4	2	---
	Females	.....	50	6	5	10	5	4	1	2	5	3	3	3	3	---
	Unknown	.....	1	---	---	---	---	---	---	1	---	---	---	---	---	---
Baraga	Total	.....	60	5	3	5	8	7	6	9	3	5	5	7	3	---
	Males	.....	35	1	2	2	6	2	5	4	1	3	3	4	2	---
	Females	.....	31	4	1	3	2	5	1	5	2	2	2	3	1	---
Barry	Total	.....	486	24	33	54	47	34	39	35	53	52	52	39	44	---
	Males	.....	244	15	17	17	22	17	16	15	32	28	26	18	21	---
	Females	.....	242	9	16	17	25	17	23	20	21	24	26	21	23	---
Bay	Total	.....	1506	93	108	115	111	138	128	127	132	131	144	124	155	---
	Males	.....	752	48	58	52	48	75	61	58	64	64	81	64	79	---
	Females	.....	754	45	50	63	63	63	67	69	68	67	63	60	76	---
Benzie	Total	.....	115	4	3	7	12	13	6	19	15	8	14	8	6	---
	Males	.....	56	4	2	2	4	7	3	10	6	4	6	5	3	---
	Females	.....	59	---	1	5	8	6	3	9	9	4	8	3	3	---

TABLE 4.—CONTINUED.—*Births by Counties, by Months, and by Sex.*

COUNTIES.	SEX.	Year, 1883.	MONTHS, 1883.												
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
Berrien.....	Total.....	659	31	33	61	55	63	56	55	62	50	59	82	51	1
	Males.....	336	14	17	31	23	29	27	26	36	25	35	44	28	
	Females.....	322	17	16	30	32	34	28	29	26	25	24	38	23	
	Unknown.....	1						1							
Branch.....	Total.....	448	27	34	29	53	36	45	39	33	44	42	34	30	2
	Males.....	241	14	16	16	26	22	30	20	22	21	20	18	15	1
	Females.....	206	13	18	13	27	14	15	18	11	23	22	16	15	1
	Unknown.....	1							1						
Calhoun.....	Total.....	694	40	42	55	56	60	60	68	58	63	67	56	69	
	Males.....	336	18	24	22	27	30	40	28	28	32	25	31	31	
	Females.....	344	22	17	32	29	30	17	38	29	29	39	24	38	
	Unknown.....	14		1	1			3	2	1	2	3	1		
Cass.....	Total.....	320	18	16	28	21	30	20	29	32	34	40	28	24	
	Males.....	172	10	6	15	16	21	11	16	19	17	19	10	12	
	Females.....	148	8	10	13	5	9	9	13	13	17	21	18	12	
Charlevoix.....	Total.....	189	9	6	9	18	15	18	20	22	17	15	13	18	
	Males.....	98	4	2	7	11	7	8	17	8	8	9	7	10	
	Females.....	91	5	4	2	7	8	10	12	14	9	6	6	8	
Cheboygan.....	Total.....	239	16	14	24	20	23	12	32	20	9	29	22	18	
	Males.....	124	11	5	12	10	14	4	15	13	7	14	9	10	
	Females.....	115	5	9	12	10	9	8	17	7	2	15	13	8	
Chippewa.....	Total.....	175	18	12	16	13	14	12	22	14	17	22	5	10	
	Males.....	82	13	7	8	6	10	5	10	4	4	9	3	3	
	Females.....	93	5	5	8	7	4	7	12	10	13	13	2	7	
Clare.....	Total.....	87	2	1	9	5	9	7	13	9	3	5	10	12	2
	Males.....	42			5	2	4	5	4	6			7	8	1
	Females.....	45	2	1	4	3	5	2	9	3	3	5	3	4	1
Clinton.....	Total.....	460	21	31	34	45	38	43	42	45	39	41	38	43	
	Males.....	229	9	17	16	20	22	21	24	24	19	15	19	23	
	Females.....	231	12	14	18	25	16	22	18	21	20	26	19	20	
Crawford.....	Total.....	25	1	3	2	1	1	1	3	4	3	3	1	2	
	Males.....	14		2	1	1	1	1	2	1	2	1		2	
	Females.....	11	1	1	1				1	3	1	2	1		
Delta.....	Total.....	268	15	17	24	32	24	16	34	19	29	15	19	24	
	Males.....	142	5	10	12	15	14	8	20	11	19	7	9	12	
	Females.....	126	10	7	12	17	10	8	14	8	10	8	10	12	

TABLE 4.—CONTINUED.—*Births by Counties, by Months, and by Sex.*

COUNTIES.	SEX.	Year, 1883.	MONTHS, 1883.												
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
Eaton.....	Total.....	598	41	29	56	41	64	34	49	57	68	55	53	51	---
	Males.....	301	19	17	27	18	30	16	23	29	35	29	34	24	---
	Females.....	297	22	12	29	23	34	18	26	28	33	26	19	27	---
Emmet.....	Total.....	162	12	10	10	9	15	18	21	11	15	15	10	16	---
	Males.....	97	8	8	9	5	11	10	11	8	5	7	5	10	---
	Females.....	65	4	2	1	4	4	8	10	3	10	8	5	6	---
Genesee.....	Total.....	687	41	40	63	53	56	61	55	56	51	64	83	64	---
	Males.....	349	15	21	32	31	25	28	23	30	22	30	47	45	---
	Females.....	336	26	19	31	22	30	33	32	26	28	34	36	19	---
	Unknown.....	2	---	---	---	---	1	---	---	---	1	---	---	---	---
Gladwin.....	Total.....	17	1	2	2	---	2	1	1	3	1	3	1	---	---
	Males.....	9	---	2	1	---	2	1	---	1	1	1	---	---	---
	Females.....	8	1	---	1	---	---	---	1	2	---	2	1	---	---
Grand Traverse.....	Total.....	284	24	21	22	26	24	20	24	24	12	22	25	33	7
	Males.....	148	10	10	11	11	13	10	17	12	6	13	14	18	3
	Females.....	135	14	11	11	15	10	10	7	12	6	9	11	15	4
	Unknown.....	1	---	---	---	---	1	---	---	---	---	---	---	---	---
Gratiot.....	Total.....	487	25	23	29	36	40	34	55	46	50	63	40	46	---
	Males.....	243	10	8	15	20	22	17	22	25	28	25	27	24	---
	Females.....	243	15	15	14	16	18	17	32	21	22	38	13	22	---
	Unknown.....	1	---	---	---	---	---	---	1	---	---	---	---	---	---
Hillsdale.....	Total.....	478	38	19	28	43	45	49	26	41	46	50	44	48	1
	Males.....	246	19	10	16	24	25	24	13	19	25	25	18	27	1
	Females.....	231	19	9	12	19	20	24	13	22	21	25	26	21	---
	Unknown.....	1	---	---	---	---	---	1	---	---	---	---	---	---	---
Houghton.....	Total.....	985	59	75	81	90	85	66	79	95	100	92	85	78	---
	Males.....	510	29	38	47	48	45	37	35	52	52	40	47	40	---
	Females.....	474	30	37	34	42	39	29	44	43	48	52	38	38	---
	Unknown.....	1	---	---	---	---	1	---	---	---	---	---	---	---	---
Huron.....	Total.....	782	61	51	66	70	79	68	75	73	68	63	54	52	2
	Males.....	397	35	23	33	38	40	35	35	38	35	31	27	25	2
	Females.....	385	26	28	33	32	39	33	40	35	33	32	27	27	---
Ingham.....	Total.....	544	29	37	33	47	43	46	41	52	65	53	50	46	2
	Males.....	264	15	12	18	24	23	23	19	21	34	26	24	23	2
	Females.....	280	14	25	15	23	20	23	22	31	31	27	26	23	---

TABLE 4.—CONTINUED.—*Births by Counties, by Months, and by Sex.*

COUNTIES.	SEX.	Year, 1883.	MONTHS, 1883.												
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
Ionia.....	Total.....	574	30	44	44	48	51	48	43	64	45	44	61	51	1
	Males.....	276	11	19	29	24	21	19	19	29	24	19	36	25	1
	Females.....	298	19	25	15	24	30	29	24	35	21	25	25	26	---
Iosco.....	Total.....	337	21	22	30	34	29	36	59	32	17	23	10	23	1
	Males.....	182	9	11	19	14	19	20	34	19	11	11	6	8	1
	Females.....	154	12	11	11	20	9	16	25	13	6	12	4	15	---
Isabella.....	Unknown.....	1	---	---	---	---	1	---	---	---	---	---	---	---	---
	Total.....	406	16	14	42	34	42	38	41	40	36	40	31	32	---
	Males.....	200	8	8	19	15	18	17	15	21	20	23	17	19	---
Jackson.....	Females.....	205	8	6	22	19	24	21	26	19	16	17	14	12	---
	Unknown.....	1	---	---	1	---	---	---	---	---	---	---	---	---	---
	Total.....	861	59	47	73	60	81	64	78	77	93	76	76	76	1
Kalamazoo.....	Males.....	422	27	19	42	24	41	39	41	37	45	36	31	40	---
	Females.....	439	32	28	31	36	40	25	37	40	48	40	45	36	1
	Total.....	556	47	38	51	38	40	39	50	59	47	53	39	55	---
Kalkaska.....	Males.....	276	24	17	26	12	19	23	20	29	29	34	20	23	---
	Females.....	280	23	21	25	26	21	16	30	30	18	19	19	32	---
	Total.....	56	1	---	3	6	6	10	4	9	5	9	1	2	---
Kent.....	Males.....	20	1	---	1	4	1	2	2	5	3	1	---	---	---
	Females.....	36	---	---	2	2	5	8	2	4	2	8	1	2	---
	Total.....	1,982	136	126	162	180	183	166	169	177	188	173	160	161	1
Keweenaw.....	Males.....	1,041	73	56	93	84	107	92	91	82	105	101	81	76	---
	Females.....	940	63	70	69	95	76	74	78	95	83	72	79	85	1
	Unknown.....	1	---	---	---	1	---	---	---	---	---	---	---	---	---
Lake.....	Total.....	274	23	22	30	30	13	23	23	25	16	17	24	18	---
	Males.....	148	13	12	17	13	13	13	9	19	8	8	16	7	---
	Females.....	126	10	10	13	17	10	10	14	6	8	9	8	11	---
Lapeer.....	Total.....	110	5	2	4	9	13	9	7	18	14	9	11	9	---
	Males.....	57	5	1	1	3	4	5	4	11	7	4	7	5	---
	Females.....	53	---	1	3	6	9	4	3	7	7	5	4	4	---
Lapeer.....	Total.....	652	43	46	41	68	72	49	66	59	64	50	45	49	---
	Males.....	332	22	20	22	34	38	27	32	37	30	25	22	23	---
	Females.....	319	21	26	19	34	34	22	34	22	33	25	23	26	---
Lapeer.....	Unknown.....	1	---	---	---	---	---	---	---	---	1	---	---	---	---

TABLE 4.—CONTINUED.—*Births by Counties, by Months, and by Sex.*

COUNTIES.	SEX.	Year, 1883.	MONTHS, 1883.												Unknown.
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
Leelanaw.....	Total.....	150	8	3	10	13	16	12	19	16	17	13	11	12	---
	Males.....	74	3	2	3	8	9	7	8	7	8	5	5	9	---
	Females.....	76	5	1	7	5	7	5	11	9	9	8	6	3	---
Lenawee.....	Total.....	664	45	41	48	62	54	54	62	53	57	76	57	55	---
	Males.....	338	22	16	19	37	27	31	30	33	27	40	30	26	---
	Females.....	326	23	25	29	25	27	23	32	20	30	36	27	29	---
Livingston.....	Total.....	326	23	20	20	33	22	32	22	33	34	28	33	26	---
	Males.....	181	12	13	14	16	8	18	14	14	24	16	17	15	---
	Females.....	145	11	7	6	17	14	14	8	19	10	12	16	11	---
Mackinac.....	Total.....	38	4	4	3	7	3	---	6	1	5	2	2	1	---
	Males.....	17	3	1	2	4	1	---	1	---	4	1	---	---	---
	Females.....	21	1	3	1	3	2	---	5	1	1	1	2	1	---
Macomb.....	Total.....	729	56	48	58	71	67	59	53	66	72	67	57	61	---
	Males.....	405	29	25	33	44	39	31	28	34	46	36	28	32	---
	Females.....	324	21	23	25	27	28	28	25	32	26	31	29	29	---
Manistee.....	Total.....	592	29	30	42	44	56	58	54	53	65	45	53	63	---
	Males.....	331	11	15	24	30	30	33	33	28	37	23	25	42	---
	Females.....	260	17	15	18	14	26	25	21	25	28	22	28	21	---
Mantou.....	Unknown.....	1	1	---	---	---	---	---	---	---	---	---	---	---	---
	Total.....	22	2	2	3	1	---	2	1	2	1	---	3	5	---
	Males.....	13	1	1	1	1	---	2	1	1	1	---	1	3	---
Marquette.....	Females.....	9	1	1	2	---	---	---	---	1	---	---	2	2	---
	Total.....	1,139	86	80	88	99	114	95	95	96	99	113	84	90	---
	Males.....	582	38	48	47	46	50	59	54	44	45	68	43	40	---
Mason.....	Females.....	557	48	32	41	53	64	35	41	52	54	45	41	50	---
	Total.....	315	24	19	21	30	29	34	28	28	26	23	26	27	---
	Males.....	147	10	9	15	13	16	16	14	10	10	15	8	11	---
Macosta.....	Females.....	168	14	10	6	17	13	18	14	18	16	8	18	16	---
	Total.....	374	23	34	26	23	41	36	31	34	33	38	20	35	---
	Males.....	212	14	19	12	12	25	25	20	18	16	22	9	20	---
Menominee.....	Females.....	162	9	15	14	11	16	11	11	16	17	16	11	15	---
	Total.....	432	20	30	30	34	36	38	38	35	36	36	46	50	3
	Males.....	223	8	12	16	18	16	22	16	15	21	18	33	26	2
	Females.....	207	12	17	14	16	20	16	22	19	15	18	13	24	1
	Unknown.....	2	---	1	---	---	---	---	---	1	---	---	---	---	---

TABLE 4.—CONTINUED.—*Births by Counties, by Months, and by Sex.*

COUNTIES.	SEX.	Year, 1883.	MONTHS, 1883.												Unknown.
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
Midland	Total	185	9	20	13	13	27	11	17	23	13	17	13	9	---
	Males	108	5	10	8	6	18	7	10	14	5	9	13	3	---
	Females	77	4	10	5	7	9	4	7	9	8	8	---	6	---
Missaukee	Total	85	3	11	7	7	5	10	6	10	11	5	5	4	1
	Males	42	2	5	2	5	3	4	4	7	4	3	1	2	---
	Females	43	1	6	5	2	2	6	2	3	7	2	4	2	1
Monroe	Total	766	47	45	60	61	69	61	73	73	72	75	57	72	1
	Males	426	27	25	37	39	42	30	36	36	42	39	35	38	---
	Females	338	20	20	23	22	27	31	37	37	30	36	21	33	1
	Unknown	2	---	---	---	---	---	---	---	---	---	---	1	1	---
Montcalm	Total	671	28	48	55	67	58	68	51	62	65	53	46	69	1
	Males	337	16	27	28	30	27	31	25	33	31	28	23	38	---
	Females	334	12	21	27	37	31	37	26	29	34	25	23	31	1
Montmorency	Total	22	1	---	---	1	---	4	3	4	4	1	---	4	---
	Males	17	1	---	---	1	---	4	2	1	4	---	---	4	---
	Females	5	---	---	---	---	---	---	1	3	---	1	---	---	---
Muskegon	Total	1,017	67	76	87	88	79	75	90	94	96	94	87	84	---
	Males	493	33	47	29	48	39	34	48	50	36	42	50	37	---
	Females	524	34	29	58	40	40	41	42	44	60	52	37	47	---
Newaygo	Total	440	22	27	34	35	42	40	39	38	50	39	41	33	---
	Males	250	7	19	13	22	19	26	21	24	27	21	28	23	---
	Females	190	15	8	21	13	23	14	18	14	23	18	13	10	---
Oakland	Total	630	34	38	63	52	59	54	51	50	52	66	49	62	---
	Males	321	17	18	36	23	34	23	24	25	34	31	26	30	---
	Females	306	17	19	27	29	25	31	27	25	17	35	22	32	---
	Unknown	3	---	1	---	---	---	---	---	---	1	---	1	---	---
Oceana	Total	309	19	17	22	25	25	38	28	36	24	26	22	27	---
	Males	157	8	8	13	10	12	21	12	18	12	16	15	12	---
	Females	147	11	9	8	15	13	17	16	18	10	8	7	15	---
	Unknown	5	---	---	1	---	---	---	---	2	2	---	---	---	---
Ogemaw	Total	43	4	3	---	5	1	7	5	6	3	3	5	1	---
	Males	25	2	2	---	3	1	4	5	1	2	1	3	1	---
	Females	18	2	1	---	2	---	3	---	5	1	2	2	---	---
Ontonagon	Total	77	2	8	9	3	5	8	5	12	7	7	6	5	---
	Males	40	1	3	7	2	3	2	2	9	3	4	2	2	---
	Females	37	1	5	2	1	2	6	3	3	4	3	4	3	---

VITAL STATISTICS OF MICHIGAN, 1883.

TABLE 4.—CONTINUED.—*Births by Counties, by Months, and by Sex.*

COUNTIES.	SEX.	Year, 1883.	MONTHS, 1883.												
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
St. Clair.....	Total.....	976	75	68	67	80	80	77	89	103	88	82	80	87	---
	Males.....	511	43	34	33	37	47	48	46	55	41	41	47	39	---
	Females.....	462	32	34	34	43	33	29	43	47	46	41	33	47	---
	Unknown.....	3	---	---	---	---	---	---	---	1	1	---	---	1	---
St. Joseph.....	Total.....	460	31	33	30	34	50	42	38	41	36	47	38	40	---
	Males.....	250	19	16	12	20	24	27	16	23	17	25	26	25	---
	Females.....	205	12	16	18	14	25	15	21	16	19	22	12	15	---
	Unknown.....	5	---	1	---	---	1	---	1	2	---	---	---	---	---
Tuscola.....	Total.....	720	34	51	56	52	84	67	70	74	75	53	60	49	4
	Males.....	389	19	26	21	23	52	32	40	39	45	30	35	27	---
	Females.....	339	15	24	35	29	32	35	30	35	30	23	25	22	4
	Unknown.....	1	---	1	---	---	---	---	---	---	---	---	---	---	---
Van Buren.....	Total.....	535	33	28	43	57	44	37	54	45	40	52	48	52	2
	Males.....	279	21	11	23	28	22	20	32	16	26	27	22	29	2
	Females.....	255	12	17	20	29	22	17	22	29	14	25	25	23	---
	Unknown.....	1	---	---	---	---	---	---	---	---	---	---	1	---	---
Washtenaw.....	Total.....	614	35	50	52	60	49	40	44	57	63	61	43	56	4
	Males.....	330	20	22	27	28	29	30	25	29	32	27	27	31	3
	Females.....	282	15	28	25	31	20	10	19	28	31	34	16	25	---
	Unknown.....	2	---	---	---	1	---	---	---	---	---	---	---	---	1
Wayne.....	Total.....	5,358	409	419	448	413	437	385	421	479	464	467	475	541	---
	Males.....	2,908	228	221	243	221	231	207	223	283	265	253	255	278	---
	Females.....	2,449	180	198	205	192	206	178	198	196	199	214	220	263	---
	Unknown.....	1	1	---	---	---	---	---	---	---	---	---	---	---	---
Wexford.....	Total.....	205	10	3	16	17	23	24	21	18	15	23	21	14	---
	Males.....	102	4	3	8	10	13	12	9	9	4	12	10	8	---
	Females.....	103	6	---	8	7	10	12	12	9	11	11	11	6	---

By reference to Table 5 may be seen the number of inhabitants, the birth-rate, and the proportion of the sexes among the different races of people in Michigan. The table would be more satisfactory if it contained the number of inhabitants of each race, in 1883,—the year in which the births occurred. The State Census of 1884 will be useful for this purpose next year. From the column in this table headed "Per cent of children born to inhabitants," it will be observed that the birth-rate was greater than the average among the white inhabitants, and greater than among the other races. The birth-rate among the black and mulatto inhabitants, which includes all of African descent, is much smaller than the average for all races.

In Table 6 will be found the number of births returned by counties, by sex, and also by color. It also shows the rates per cent of the births to the persons living according to the census of 1880, and the average rate for the entire State. It is interesting to note the fluctuations in the birth-rates of the different counties. Those counties which contain the greatest number of foreigners, and the most productive class of the population, are found to have the highest birth-rates, while in the more rural sections, containing the largest native population, the birth-rates are much less. The number of births in 1883 was 2.50 per cent of the number of inhabitants in 1880, the number of male births in 1883 was 2.46 per cent of the male inhabitants, and the number of female births was 2.53 per cent of the female inhabitants. By this table the birth-rate in each county can be compared with the birth-rate for the entire State, and also to note the difference in the birth-rates of the various counties. The counties showing the highest birth-rates for the year 1883, according to the returns, were Alpena, Houghton, Iosco, Keweenaw, Manistee, Marquette, Missaukee, Otsego, and Presque Isle. The counties of Barry, Branch, Cass, Hillsdale, Lenawee, Livingston, Oakland, and Washtenaw show a birth-rate considerably less than that of the entire State.

In Table 6 may also be seen, by counties, the number of births among the White, Black, Mulatto, and Indian races. Seventeen births were returned for 1883 without the statement of the color, of which number the county of Calhoun alone has eleven.

TABLE 5.—*Exhibiting, by Color and Sex, the Population of Michigan June 1, 1880, the Number of Births returned for the Year 1883, the Per Cent of Births to Population, and the Per Cent of Births of each Sex to the Total of both Sexes. (Still-births included.)*

RACE OR COLOR.	SEX.	Population June 1, 1880, Represented by Births in 1883.	Children Born in 1883.	Per Cent of Births of each Color to Total of All Col- ors, by Sex.	Per Cent of Children born to Inhabit- ants.	Per Cent of each Sex to Children of Both Sexes.	Inhabit- ants to one Child born, by Color and Sex.
All Colors.....	Total.....	1,633,060	40,809	100.00	2.50	-----	40.02
	Males.....	859,943	21,196	100.00	2.46	52.04	40.57
	Females...	773,117	19,532	100.00	2.53	47.96	39.58
	Unknown..	-----	81	100.00	-----	-----	-----
White.....	Total.....	1,610,917	40,430	99.08	2.59	-----	39.84
	Males.....	-----	21,000	99.08	-----	52.03	-----
	Females...	-----	19,358	99.11	-----	47.97	-----
	Unknown..	-----	72	88.89	-----	-----	-----
Black.....	Total.....	-----	119	.29	-----	-----	-----
	Males.....	-----	74	.35	-----	62.18	-----
	Females...	-----	45	.23	-----	37.82	-----
	Unknown..	-----	-----	-----	-----	-----	-----
Mulatto.....	Total.....	-----	116	.28	-----	-----	-----
	Males.....	-----	56	.26	-----	49.12	-----
	Females...	-----	58	.30	-----	50.88	-----
	Unknown..	-----	2	2.47	-----	-----	-----
Indian.....	Total.....	7,029	127	.31	1.81	-----	55.85
	Males.....	-----	62	.29	-----	48.82	-----
	Females...	-----	65	.33	-----	51.18	-----
	Unknown..	-----	-----	-----	-----	-----	-----
Unknown Color..	Total.....	-----	17	.04	-----	-----	-----
	Males.....	-----	4	.02	-----	40.00	-----
	Females...	-----	6	.03	-----	60.00	-----
	Unknown..	-----	7	8.64	-----	-----	-----
Black and Mulatto	Total.....	15,086	235	.57	1.49	-----	64.20
	Males.....	-----	130	.61	-----	55.79	-----
	Females...	-----	103	.53	-----	44.21	-----
	Unknown..	-----	2	2.47	-----	-----	-----

* Includes 28 Asilotics.

TABLE 6.—*Exhibiting for the State and Counties of Michigan, by Sex, the Population in 1880, the Per Cent of Births in 1883 to Population in 1880, the Number of Males to 100 Females born during the Year 1883, and by Sex and Color the Births returned for 1883. (Still-births included.)*

STATE AND COUNTIES.	Births,— Males to 100 Females.	SEX.	Per Ct. of Births of Each Sex to Total of Both Sexes.	Popula- tion in 1880 Repre- sented by Births in 1883.	Per Ct. of Births of Each Sex to Popula- tion of Same Sex.	COLOR,—CHILDREN BORN IN 1883.					
						Total of All Colors.	White.	Black.	Mu- latto.	In- dian.	Unk.
State.....	108	Total.....	-----	1,633,060	2.50	40,809	40,430	119	116	127	17
		Males.....	52.04	859,943	2.46	21,196	21,000	74	56	62	4
		Females..	47.96	773,117	2.53	19,592	19,358	45	58	65	6
		Unknown	-----	-----	-----	81	72	-----	2	-----	7
Alcona.....	82	Total.....	-----	3,107	1.00	31	31	-----	-----	-----	-----
		Males.....	45.16	1,945	.72	14	14	-----	-----	-----	-----
		Females..	54.84	1,162	1.46	17	17	-----	-----	-----	-----
Allegan.....	121	Total.....	-----	37,815	2.32	876	870	-----	3	3	-----
		Males.....	54.79	19,732	2.43	480	477	-----	1	2	-----
		Females..	45.21	18,083	2.19	396	393	-----	2	1	-----
Alpena.....	112	Total.....	-----	8,789	4.32	370	370	-----	-----	-----	-----
		Males.....	52.70	5,161	3.78	195	195	-----	-----	-----	-----
		Females..	47.30	3,628	4.82	175	175	-----	-----	-----	-----
Antrim.....	102	Total.....	-----	5,237	3.95	207	207	-----	-----	-----	-----
		Males.....	50.49	2,867	3.63	104	104	-----	-----	-----	-----
		Females..	49.51	2,370	4.30	102	102	-----	-----	-----	-----
		Unknown	-----	-----	-----	1	1	-----	-----	-----	-----
Arenac.....	102	Total.....	-----	*	-----	102	97	-----	-----	4	1
		Males.....	50.50	-----	-----	51	47	-----	-----	4	-----
		Females..	49.50	-----	-----	50	50	-----	-----	-----	-----
		Unknown	-----	-----	-----	1	-----	-----	-----	-----	1
Baraga.....	113	Total.....	-----	1,804	3.10	66	51	-----	-----	15	-----
		Males.....	53.03	1,036	3.38	35	26	-----	-----	9	-----
		Females..	46.97	768	4.04	31	25	-----	-----	6	-----
Barry.....	101	Total.....	-----	25,317	1.92	486	486	-----	-----	-----	-----
		Males.....	50.21	13,284	1.84	244	244	-----	-----	-----	-----
		Females..	49.79	12,033	2.01	242	242	-----	-----	-----	-----
Bay.....	100	Total.....	-----	38,081	3.95	1,506	1,497	2	3	4	-----
		Males.....	49.93	21,098	3.56	752	746	-----	2	4	-----
		Females..	50.07	16,983	4.44	754	751	2	1	-----	-----

* Organized since census was taken.

TABLE 6.—CONTINUED.—*Births by Counties, by Sex, and by Color.*

COUNTIES.	Births,— Males to 100 Females.	SEX.	Per Ct. of Births of Each Sex to Total of Both Sexes.	Popula- tion in 1880 Repre- sented by Births in 1883.	Per Ct. of Births of Each Sex to Popula- tion of Same Sex.	COLOR,—CHILDREN BORN IN 1883.					
						Total of All Colors.	White.	Black.	Mu- latto.	In- dian.	Unk.
Benzie.....	95	Total.....	-----	3,433	3.35	115	114	-----	1	-----	-----
		Males.....	48.70	1,862	3.01	56	55	-----	1	-----	-----
		Females..	51.30	1,571	3.76	59	59	-----	-----	-----	-----
Berrien.....	104	Total.....	-----	36,785	1.70	650	648	1	10	-----	-----
		Males.....	51.06	18,905	1.79	336	330	1	5	-----	-----
		Females..	48.94	17,980	1.79	312	317	-----	5	-----	-----
		Unknown.....	-----	-----	-----	1	1	-----	-----	-----	-----
Branch.....	117	Total.....	-----	27,941	1.60	448	447	-----	-----	-----	1
		Males.....	53.91	14,240	1.69	241	241	-----	-----	-----	-----
		Females..	46.09	13,701	1.50	206	206	-----	-----	-----	-----
		Unknown.....	-----	-----	-----	1	-----	-----	-----	-----	1
Calhoun.....	98	Total.....	-----	38,452	1.80	694	671	5	7	-----	11
		Males.....	49.41	19,569	1.71	336	326	4	4	-----	2
		Females..	50.59	18,883	1.82	344	336	1	2	-----	5
		Unknown.....	-----	-----	-----	14	9	-----	1	-----	4
Cass.....	116	Total.....	-----	22,009	1.45	320	295	6	19	-----	-----
		Males.....	53.75	11,350	1.52	172	162	2	8	-----	-----
		Females..	46.25	10,659	1.39	148	133	4	11	-----	-----
Charlevoix..	108	Total.....	-----	5,115	3.69	180	178	3	3	5	-----
		Males.....	51.85	2,743	3.57	98	95	-----	1	2	-----
		Females..	48.15	2,372	3.84	91	83	3	2	3	-----
Cheboygan..	106	Total.....	-----	6,524	3.66	239	235	-----	-----	4	-----
		Males.....	51.88	3,760	3.30	124	122	-----	-----	2	-----
		Females..	48.12	2,764	4.16	115	113	-----	-----	2	-----
Chippewa...	88	Total.....	-----	5,248	3.33	175	165	-----	-----	10	-----
		Males.....	46.86	2,906	2.82	82	80	-----	-----	2	-----
		Females..	53.14	2,342	3.97	93	85	-----	-----	8	-----
Clare.....	93	Total.....	-----	4,039	2.15	87	87	-----	-----	-----	-----
		Males.....	48.28	2,681	1.57	42	42	-----	-----	-----	-----
		Females..	51.72	1,358	3.31	45	45	-----	-----	-----	-----
Clinton.....	99	Total.....	-----	28,100	1.61	460	458	-----	2	-----	-----
		Males.....	49.78	14,657	1.56	229	229	-----	-----	-----	-----
		Females..	50.22	13,443	1.72	231	229	-----	2	-----	-----
Crawford...	127	Total.....	-----	1,159	2.16	25	25	-----	-----	-----	-----
		Males.....	56.00	683	2.05	14	14	-----	-----	-----	-----
		Females..	44.00	476	2.31	11	11	-----	-----	-----	-----

TABLE 6.—CONTINUED.—*Births by Counties, by Sex, and by Color.*

COUNTIES.	Births,— Males to 100 Females.	SEX.	Per Ct. of Births of each Sex to Total of both Sexes.	Popula- tion in 1880 Repre- sented by Births in 1883.	Per Ct. of Births of each Sex to Popula- tion of same Sex.	COLOR,—CHILDREN BORN IN 1883.				
						Total of all Colors.	White.	Black.	Mu- latto.	In- dian.	Unk.
Delta.....	113	Total.....	.....	6,734	3.98	268	268	.....	.....	.....
		Males.....	52.98	4,120	3.44	142	142	.....	.....	.....
		Females..	47.02	2,605	4.84	126	126	.....	.....	.....
Eaton.....	101	Total.....	.....	31,225	1.92	598	598	.....	.....	.....
		Males.....	50.33	16,072	1.87	301	301	.....	.....	.....
		Females..	49.67	15,153	1.96	297	297	.....	.....	.....
Emmet.....	140	Total.....	.....	6,639	2.44	162	122	.....	40	.....
		Males.....	59.88	3,544	2.74	97	76	.....	21	.....
		Females..	40.12	3,095	2.10	65	46	.....	19	.....
Genesee....	104	Total.....	.....	39,220	1.75	687	681	1	2	3
		Males.....	50.95	20,042	1.74	349	349	.....	.....	.....
		Females..	49.05	19,178	1.75	336	330	1	2	3
		Unknown..	.....	.....	.....	2	2	.....	.....	.....
Gladwin....	113	Total.....	.....	1,127	1.51	17	17	.....	.....	.....
		Males.....	52.94	749	1.20	9	9	.....	.....	.....
		Females..	47.06	378	2.12	8	8	.....	.....	.....
Gr.Traverse	110	Total.....	.....	8,422	3.37	284	284	.....	.....	.....
		Males.....	52.30	4,608	3.21	148	148	.....	.....	.....
		Females..	47.70	3,814	3.54	135	135	.....	.....	.....
		Unknown..	.....	.....	.....	1	1	.....	.....	.....
Gratiot.....	100	Total.....	.....	21,936	2.22	487	485	.....	1	.....
		Males.....	50.00	11,687	2.08	243	243	.....	.....	.....
		Females..	50.00	10,249	2.37	243	242	.....	1	.....
		Unknown..	.....	.....	.....	1	.....	.....	.....	.....
Hillsdale...	106	Total.....	.....	32,723	1.49	478	477	.....	1	.....
		Males.....	51.57	16,544	1.49	246	246	.....	.....	.....
		Females..	48.43	16,179	1.43	231	230	.....	1	.....
		Unknown..	.....	.....	.....	1	1	.....	.....	.....
Houghton...	108	Total.....	.....	22,473	4.38	985	982	.....	3	.....
		Males.....	51.83	12,242	4.17	510	508	.....	2	.....
		Females..	48.17	10,231	4.63	474	473	.....	1	.....
		Unknown..	.....	.....	.....	1	1	.....	.....	.....
Huron.....	103	Total.....	.....	20,089	3.89	782	782	.....	.....	.....
		Males.....	50.77	10,714	3.71	397	397	.....	.....	.....
		Females..	49.23	9,375	4.11	385	385	.....	.....	.....

TABLE 6.—CONTINUED.—*Births by Counties, by Sex, and by Color.*

COUNTIES.	Births,— Males to 100 Females.	SEX.	Per Ct. of Births of each Sex to Total of both Sexes.	Popula- tion in 1880 Repre- sented by Births in 1883.	Per Ct. of Births of each Sex to Popula- tion of same Sex.	COLOR,—CHILDREN BORN IN 1883.					
						Total of all Colors.	White.	Black.	Mu- latto.	In- dian.	Unk.
Ingham.....	94	Total.....	33,676	1.62	544	533	4	5	.....	2	
		Males.....	48.53	17,399	1.52	264	258	2	3	.....	1
		Females.....	51.47	16,277	1.72	280	275	2	2	.....	1
Ionia.....	93	Total.....	33,872	1.69	574	573	.....	.....	.....	1	
		Males.....	48.08	17,974	1.54	276	275	.....	.....	.....	1
		Females.....	51.92	15,898	1.87	298	298	.....	.....	.....	.....
Iosco.....	118	Total.....	6,873	4.90	337	337	.....	.....	.....	.....
		Males.....	54.17	4,097	4.44	182	182	.....	.....	.....	.....
		Females.....	45.83	2,776	5.55	154	154	.....	.....	.....	.....
Isabella.....	98	Unknown.....	.....	.....	1	1	.....	.....	.....	.....
		Total.....	12,159	3.34	406	393	.....	.....	13	.....
		Males.....	49.38	6,602	3.03	200	196	.....	.....	4	.....
		Females.....	50.62	5,557	3.69	205	196	.....	.....	9	.....
Jackson.....	96	Unknown.....	.....	.....	1	1	.....	.....	.....	.....
		Total.....	42,031	2.05	861	850	8	3	.....	.....
		Males.....	49.01	21,833	1.93	422	416	5	1	.....	.....
Kalamazoo..	99	Females.....	50.99	20,198	2.17	439	434	3	2	.....	.....
		Total.....	34,342	1.62	556	547	5	4	.....	.....
		Males.....	49.64	17,343	1.59	276	270	3	3	.....	.....
Kalkaska...	56	Females.....	50.36	16,999	1.65	230	277	2	1	.....	.....
		Total.....	2,937	1.91	56	56	.....	.....	.....	.....
		Males.....	35.71	1,617	1.24	20	20	.....	.....	.....	.....
Kent.....	111	Females.....	64.29	1,320	2.73	36	36	.....	.....	.....	.....
		Total.....	73,253	2.71	1,982	1,969	7	6	.....	.....
		Males.....	52.55	38,014	2.74	1,041	1,033	5	3	.....	.....
Keweenaw..	117	Females.....	47.45	35,239	2.67	940	935	2	3	.....	.....
		Unknown.....	.....	.....	1	1	.....	.....	.....	.....
		Total.....	4,270	6.42	274	274	.....	.....	.....	.....
Lake.....	108	Males.....	54.01	2,396	6.18	148	148	.....	.....	.....	.....
		Females.....	45.99	1,874	6.72	126	126	.....	.....	.....	.....
		Total.....	3,233	3.40	110	110	.....	.....	.....	.....
Lapeer.....	104	Males.....	51.82	1,941	2.94	57	57	.....	.....	.....	.....
		Females.....	48.18	1,292	4.10	53	53	.....	.....	.....	.....
		Total.....	30,138	2.16	652	652	.....	.....	.....	.....
Lapeer.....	104	Males.....	51.00	15,827	2.10	332	332	.....	.....	.....	.....
		Females.....	49.00	14,311	2.23	319	319	.....	.....	.....	.....
		Unknown.....	.....	.....	1	1	.....	.....	.....	.....

TABLE 6.—CONTINUED.—*Births by Counties, by Sex, and by Color.*

COUNTIES.	Births,— Males to 100 Females.	SEX.	Per Ct. of Births of each Sex to Total of both Sexes.	Popula- tion in 1880 Repre- sented by Births in 1883.	Per Ct. of Births of each Sex to Popula- tion of same Sex..	COLOR,—CHILDREN BORN IN 1883.				
						Total of all Colors.	White.	Black.	Mu- latto.	In- dian.	Unk.
Leelanaw...	97	Total.....	.....	6,253	2.40	150	150	.....	.....	.....
		Males.....	49.33	3,388	2.18	74	74	.....	.....	.....
		Females..	50.67	2,865	2.65	76	76	.....	.....	.....
Lenawee....	104	Total.....	.....	48,343	1.37	664	662	2	.....	.....
		Males.....	50.90	24,281	1.39	338	337	1	.....	.....
		Females..	49.10	24,062	1.35	326	325	1	.....	.....
Livingston..	125	Total.....	.....	22,251	1.47	326	325	1	.....	.....
		Males.....	55.52	11,620	1.56	181	181	.....	.....	.....
		Females..	44.48	10,631	1.36	145	144	1	.....	.....
Mackinac...	81	Total.....	.....	1,558	2.44	38	38	.....	.....	.....
		Males.....	44.74	913	1.28	17	17	.....	.....	.....
		Females..	55.26	645	3.26	21	21	.....	.....	.....
Macomb.....	125	Total.....	.....	31,627	2.30	729	729	.....	.....	.....
		Males.....	55.56	16,157	2.51	405	405	.....	.....	.....
		Females..	44.44	15,470	2.09	324	324	.....	.....	.....
Manistee....	127	Total.....	.....	12,532	4.72	592	588	.....	4	.....
		Males.....	56.01	6,969	4.75	331	330	.....	1	.....
		Females..	43.99	5,563	4.67	260	257	.....	3	.....
		Unknown..	.....	.....	.....	1	1	.....	.....	.....
Manitou....	144	Total.....	.....	1,334	1.65	22	22	.....	.....	.....
		Males.....	59.09	718	1.81	13	13	.....	.....	.....
		Females..	40.91	616	1.46	9	9	.....	.....	.....
Marquette..	104	Total.....	.....	25,594	4.49	1,139	1,139	.....	.....	.....
		Males.....	51.10	14,760	3.94	582	582	.....	.....	.....
		Females..	48.90	10,634	5.24	557	557	.....	.....	.....
Mason.....	88	Total.....	.....	10,065	3.13	315	312	.....	3	.....
		Males.....	46.67	5,650	2.60	147	146	.....	1	.....
		Females..	53.33	4,406	3.81	168	166	.....	2	.....
Mecosta....	131	Total.....	.....	13,973	2.68	374	366	4	4	.....
		Males.....	56.68	7,626	2.78	212	204	4	4	.....
		Females..	43.32	6,347	2.55	162	162	.....	.....	.....
Menominee..	108	Total.....	.....	11,987	3.00	432	427	.....	5	.....
		Males.....	51.86	8,000	2.79	223	220	.....	3	.....
		Females..	48.14	3,987	5.19	207	205	.....	2	.....
		Unknown..	.....	.....	.....	2	2	.....	.....	.....

TABLE 6.—CONTINUED.—*Births by Counties, by Sex, and by Color.*

COUNTIES.	Births,— Males to 100 Females.	Sex.	Per Ct. of Births of each Sex to Total of both Sexes.	Popula- tion in 1880 Repre- sented by Births in 1883.	Per Ct. of Births of each Sex to Popula- tion of same Sex.	COLOR,—CHILDREN BORN IN 1883.					
						Total of all Colors.	White.	Black.	Mu- latto.	In- dian.	Unk.
Midland.....	140	Total.....	-----	6,893	2.68	185	184	1	-----	-----	-----
		Males.....	58.38	3,780	2.86	108	107	1	-----	-----	-----
		Females..	41.62	3,113	2.47	77	77	-----	-----	-----	-----
Missaukee....	98	Total.....	-----	1,553	5.47	85	85	-----	-----	-----	-----
		Males.....	49.41	942	4.46	42	42	-----	-----	-----	-----
		Females..	50.59	611	7.04	43	43	-----	-----	-----	-----
Monroe.....	126	Total.....	-----	33,624	2.28	766	764	-----	2	-----	-----
		Males.....	55.76	17,250	2.47	426	424	-----	2	-----	-----
		Females..	44.24	16,374	2.06	338	338	-----	-----	-----	-----
		Unknown.....	-----	-----	-----	2	2	-----	-----	-----	-----
Montcalm....	101	Total.....	-----	31,166	2.15	671	671	-----	-----	-----	-----
		Males.....	50.22	17,045	1.98	337	337	-----	-----	-----	-----
		Females..	49.78	14,121	2.37	334	334	-----	-----	-----	-----
Montmorency	340	Total.....	-----	a	-----	22	22	-----	-----	-----	-----
		Males.....	77.27	-----	-----	17	17	-----	-----	-----	-----
		Females..	22.73	-----	-----	5	5	-----	-----	-----	-----
Muskegon....	94	Total.....	-----	26,586	3.83	1,017	1,016	-----	1	-----	-----
		Males.....	48.48	14,784	3.33	493	492	-----	1	-----	-----
		Females..	51.52	11,802	4.44	524	524	-----	-----	-----	-----
Newaygo....	132	Total.....	-----	14,688	3.00	440	437	-----	1	2	-----
		Males.....	56.82	8,376	2.98	250	247	-----	1	2	-----
		Females..	43.18	6,312	3.01	190	190	-----	-----	-----	-----
Oakland.....	105	Total.....	-----	41,537	1.52	630	628	1	1	-----	-----
		Males.....	51.20	21,327	1.51	321	321	-----	-----	-----	-----
		Females..	48.80	20,210	1.51	306	304	1	1	-----	-----
		Unknown.....	-----	-----	-----	3	3	-----	-----	-----	-----
Oceana.....	107	Total.....	-----	11,699	2.64	309	305	-----	-----	4	-----
		Males.....	51.64	6,444	2.44	157	156	-----	-----	1	-----
		Females..	48.36	5,255	2.80	147	144	-----	-----	3	-----
		Unknown.....	-----	-----	-----	5	5	-----	-----	-----	-----
Ogemaw....	139	Total.....	-----	1,914	2.25	43	43	-----	-----	-----	-----
		Males.....	58.14	1,168	2.14	25	25	-----	-----	-----	-----
		Females..	41.86	746	2.41	18	18	-----	-----	-----	-----
Ontonagon..	108	Total.....	-----	2,565	3.00	77	76	-----	-----	1	-----
		Males.....	51.95	1,335	3.00	40	39	-----	-----	1	-----
		Females..	48.05	1,230	3.01	37	37	-----	-----	-----	-----

the population of Montmorency county was compiled with Alpena county.

TABLE 6.—CONTINUED.—*Births by Counties, by Sex, and by Color.*

COUNTIES.	Births,— Males to 100 Females.	SEX.	Per Ct. of Births of each Sex to Total of both Sexes.	Popula- tion in 1890 Repre- sented by Births in 1883.	Per Ct. of Births of each Sex to Popula- tion of same Sex.	COLOR,—CHILDREN BORN IN 1883.				
						Total of all Colors.	White.	Black.	Mu- latto.	In- dian.	Unk.
Osceola.....	126	Total.....	-----	10,777	3.56	384	383	1	-----	-----
		Males.....	55.70	6,015	3.49	210	209	1	-----	-----
		Females..	44.30	4,762	3.51	167	167	-----	-----	-----
		Unknown.....	-----	-----	-----	7	7	-----	-----	-----
Oscoda.....	100	Total.....	-----	467	3.85	18	18	-----	-----	-----
		Males.....	50.00	291	3.09	9	9	-----	-----	-----
		Females..	50.00	176	5.11	9	9	-----	-----	-----
Otsego.....	80	Total.....	-----	1,974	4.46	88	87	1	-----	-----
		Males.....	44.32	1,137	3.43	39	38	1	-----	-----
		Females..	55.68	837	5.85	49	49	-----	-----	-----
Ottawa.....	109	Total.....	-----	33,126	2.93	969	967	2	-----	-----
		Males.....	52.08	17,472	2.87	501	499	2	-----	-----
		Females..	47.92	15,654	2.94	461	461	-----	-----	-----
		Unknown.....	-----	-----	-----	7	7	-----	-----	-----
Presque Isle..	107	Total.....	-----	3,113	5.53	172	172	-----	-----	-----
		Males.....	51.74	1,701	5.23	89	89	-----	-----	-----
		Females..	48.26	1,412	5.88	83	83	-----	-----	-----
Roscommon..	78	Total.....	-----	1,459	1.10	16	15	-----	1	-----
		Males.....	43.75	1,006	1.64	7	7	-----	-----	-----
		Females..	56.25	363	2.48	9	8	-----	1	-----
Saginaw.....	103	Total.....	-----	59,095	3.15	1,860	1,855	2	-----	3
		Males.....	50.62	31,803	2.94	936	933	1	-----	2
		Females..	49.38	27,292	3.35	913	911	1	-----	1
		Unknown.....	-----	-----	-----	11	11	-----	-----	-----
Sanilac.....	101	Total.....	-----	26,341	2.90	765	765	-----	-----	-----
		Males.....	50.20	14,023	2.73	334	384	-----	-----	-----
		Females..	49.80	12,318	3.09	381	381	-----	-----	-----
Schoolcraft..	229	Total.....	-----	1,305	1.76	23	23	-----	-----	-----
		Males.....	69.57	923	1.73	16	16	-----	-----	-----
		Females..	30.43	382	1.83	7	7	-----	-----	-----
Shiawassee..	105	Total.....	-----	27,059	1.69	456	454	-----	2	-----
		Males.....	51.10	14,248	1.63	232	231	-----	1	-----
		Females..	48.90	12,811	1.73	222	221	-----	1	-----
		Unknown.....	-----	-----	-----	2	2	-----	-----	-----

TABLE 6.—CONTINUED.—*Births by Counties, by Sex, and by Color.*

COUNTIES.	Births,— Males to 100 Females.	Sex.	Per Ct. of Births of each Sex to Total of both Sexes.	Popula- tion in 1880 Repre- sented by Births in 1883.	Per Ct. of Births of each Sex to Popula- tion of same Sex.	COLOR,—CHILDREN BORN IN 1883.					
						Total of all Colors.	White.	Black.	Mu- latto.	In- dian.	Unk.
St. Clair.....	111	Total.....	-----	46,197	2.11	976	974	1	1	-----	-----
		Males.....	52.52	23,922	2.14	511	509	1	1	-----	-----
		Females..	47.48	22,275	2.07	463	463	-----	-----	-----	-----
		Unknown.....	-----	-----	-----	3	3	-----	-----	-----	-----
St. Joseph..	122	Total.....	-----	26,626	1.73	460	458	-----	2	-----	-----
		Males.....	54.95	13,516	1.11	250	250	-----	-----	-----	-----
		Females..	45.05	13,110	1.56	205	203	-----	2	-----	-----
		Unknown.....	-----	-----	-----	5	5	-----	-----	-----	-----
Tuscola.....	115	Total.....	-----	25,738	2.83	729	728	-----	1	-----	-----
		Males.....	53.43	13,644	2.85	389	389	-----	-----	-----	-----
		Females..	46.57	12,094	2.80	339	338	-----	1	-----	-----
		Unknown.....	-----	-----	-----	1	1	-----	-----	-----	-----
Van Buren..	109	Total.....	-----	30,807	1.74	535	518	5	12	-----	-----
		Males.....	52.25	15,737	1.77	279	271	3	5	-----	-----
		Females..	47.75	15,050	1.69	255	247	2	6	-----	-----
		Unknown.....	-----	-----	-----	1	-----	-----	1	-----	-----
Washtenaw	117	Total.....	-----	41,848	1.47	614	605	4	4	1	-----
		Males.....	53.92	21,250	1.55	330	326	2	2	-----	-----
		Females..	46.06	20,598	1.37	282	277	2	2	1	-----
		Unknown.....	-----	-----	-----	2	2	-----	-----	-----	-----
Wayne.....	119	Total.....	-----	160,444	3.22	5,358	5,292	52	13	1	-----
		Males.....	54.28	82,917	3.51	2,908	2,867	35	5	1	-----
		Females..	45.72	83,527	2.93	2,449	2,424	17	8	-----	-----
		Unknown.....	-----	-----	-----	1	1	-----	-----	-----	-----
Wexford....	99	Total.....	-----	6,815	3.01	205	205	-----	-----	-----	-----
		Males.....	49.76	3,903	2.62	102	102	-----	-----	-----	-----
		Females..	50.24	2,912	3.54	103	103	-----	-----	-----	-----

PARENT-NATIVITY.

In Table 7 the births are classified in accordance with the nativity of the parents. It will be seen that the number of children born of native-born parents, in 1883, was 43.64 per cent of the whole number, while the per cent of births of foreign parentage was 36.06 of the whole number. This does not vary much from the percentage of native-born parents in 1882, which was 43.67 per cent, but there has been a constant increase in the percentage of foreign-born parents for the last three years. The average per cent of children born of native-born parents for the fourteen years 1869-1882 was 45.59, and the average per cent of children born of foreign-born parents for the same period of years was 33.78 per cent.

TABLE 7.—*Showing, by Sex, the Parent-Nativity of Children born in Michigan during the year 1883, according to the Returns.*

NATIVITY OF PARENTS OF CHILDREN BORN, 1883.	TOTAL BIRTHS, 1883.							
	NUMBER.				PER CENT OF TOTAL.			
	Total.	Males.	Females.	Unk.	Total.	Males.	Females.	Unk.
All Nativities.....	40,809	21,196	19,532	81	100.00	100.00	100.00	100.00
Both parents native-born.....	17,810	9,203	8,582	25	43.64	43.42	43.94	30.86
Both parents foreign-born.....	14,716	7,651	7,048	17	36.06	36.10	36.08	20.99
Foreign father and native mother..	4,566	2,369	2,191	6	11.19	11.18	11.22	7.41
Foreign mother and native father..	2,532	1,357	1,174	1	6.21	6.40	6.01	1.24
Unknown mother, father native....	184	98	84	2	.45	.46	.43	2.47
Unknown mother, father foreign...	105	62	43	.....	.26	.29	.22	.....
Unknown father, mother native...	211	109	99	3	.51	.52	.51	3.70
Unknown father, mother foreign...	97	56	41	.....	.24	.26	.21	.....
Both unknown.....	588	291	270	27	1.44	1.37	1.38	33.33
One or both native.....	25,303	13,136	12,130	37	62.00	61.97	62.10	45.63
One or both foreign.....	22,016	11,495	10,497	24	53.95	54.23	53.74	29.63

Table 8 shows the parent-nativity of children born in Michigan for each of the years 1881-1883, and the average for eight years 1875-1882. While the proportion of children of native-born parents for the year 1883 is less by 1.87 per cent than the average, the proportion of children of foreign-born parents for 1883 is greater than the average by 1.76 per cent. In both classes of mixed parentage the percentage for 1883 is greater than the average for eight years. It is gratifying to note that the proportion of births whose parent-nativity was returned as "unknown," for the year 1883, was less than that of the average.

TABLE 8.—*Parent-nativity of Children Born in Michigan for each of the Years 1881-1883, and the Average for eight Years, 1875-1882.*

NATIVITY OF PARENTS OF CHILDREN BORN.		1881.		1882.		1883.		AV. FOR 8 YEARS, 1875-1882.	
		Num- ber.	Per Ct. of Total.	Num- ber.	Per Ct. of Total.	Num- ber.	Per Ct. of Total.	Num- ber.	Per Ct. of Total.
All Nativities.....		34,749	100.00	37,026	100.00	40,809	100.00	34,496	100.00
Both native-born.....		15,907	45.78	16,169	43.67	17,810	43.64	15,698	45.51
Both foreign-born.....		11,500	33.27	13,173	35.58	14,716	36.06	11,832	34.30
Foreign father and native mother ..		4,078	11.74	4,357	11.77	4,566	11.19	3,836	11.12
Foreign mother and native father ..		2,075	5.97	2,213	5.97	2,532	6.21	1,985	5.75
One or both unknown.....		1,129	3.25	1,114	3.01	1,185	2.90	1,145	3.32
One or both parents native.....a		22,060	63.48	22,739	61.41	24,908	61.04	21,561	62.50
One or both parents foreign.....a		17,713	50.97	19,743	53.35	21,814	53.45	17,671	51.23
Father..	Native.....	18,170	52.29	18,584	50.19	20,526	50.30	17,895	51.88
	Foreign.....	15,803	45.48	17,618	47.58	19,387	47.51	15,833	45.89
	Unknown.....	776	2.23	824	2.23	896	2.19	768	2.23
Mother..	Native.....	20,225	58.20	20,732	55.99	22,587	55.35	19,742	57.23
	Foreign.....	13,765	39.61	15,461	41.76	17,345	42.50	13,910	40.32
	Unknown.....	759	2.18	833	2.25	877	2.15	844	2.45

^a Excluding cases where nativity of either parent is unknown.

In Table 9 may be seen the parent-nativity of children born in Michigan during the year 1883, not only for the State but for each county in the State. The number of births, the nativity of whose parents was returned as unknown, was 588, of which number Montcalm has 23, Saginaw 69, and Wayne 192.

TABLE 9.—*Exhibiting, for the State and Counties of Michigan, by Sex, the Parent-Nativity of Children Returned as having been Born during the Year 1883. (Still-births included.)*

STATE AND COUNTIES.	SEX.	Children Born, 1883.	NATIVITY OF PARENTS OF CHILDREN BORN,—1883.							
			Both Native- Born.	Both Foreign- Born.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	MOTHER UNK.		FATHER UNK.	
							Father.		Mother.	
							Na- tive.	For- eign.	Na- tive.	For- eign.
State	Total.....	40,809	17,810	14,716	4,566	2,532	184	105	211	97
	Males.....	21,196	9,203	7,651	2,369	1,357	98	62	109	56
	Females..	19,532	8,582	7,048	2,191	1,174	84	43	99	41
	Unknown	81	25	17	6	1	2	—	3	—
Alcona	Total.....	31	11	13	5	2	—	—	—	—
	Males.....	14	7	5	2	—	—	—	—	—
	Females..	17	4	8	3	2	—	—	—	—
Allegan	Total.....	876	540	206	94	36	—	—	—	—
	Males.....	480	296	121	46	17	—	—	—	—
	Females..	396	244	85	48	19	—	—	—	—
Alpena	Total.....	370	31	271	47	14	—	—	3	2
	Males.....	195	12	141	27	11	—	—	1	1
	Females..	175	19	130	20	3	—	—	2	1
Antrim	Total.....	207	106	58	26	13	—	—	2	1
	Males.....	104	48	35	9	10	—	—	1	1
	Females..	102	58	23	17	3	—	—	1	—
Arenac	Unknown	1	—	—	—	—	—	—	—	1
	Total.....	102	45	39	10	6	1	—	—	1
	Males.....	51	23	16	6	4	1	—	—	1
	Females..	50	21	23	4	2	—	—	—	—
Baraga	Unknown	1	1	—	—	—	—	—	—	—
	Total.....	66	17	38	9	1	—	—	—	1
	Males.....	35	10	20	5	—	—	—	—	—
Barry	Females..	31	7	18	4	1	—	—	—	1
	Total.....	486	407	23	36	14	1	—	3	2
	Males.....	244	197	14	20	9	1	—	2	1
Bay	Females..	242	210	9	16	5	—	—	1	1
	Total.....	1,506	318	868	179	134	—	—	1	2
	Males.....	752	162	431	87	69	—	—	—	1
Bay	Females..	754	156	437	92	65	—	—	1	3

TABLE 9.—CONTINUED.—*Births by Counties, Parent-Nativity, and Sex.*

COUNTIES.	Sex.	Children Born, 1883.	NATIVITY OF PARENTS OF CHILDREN BORN,—1883.								Both Unk.
			Both Native- Born.	Both Foreign- Born.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	MOTHER UNK.		FATHER UNK.		
							Father.		Mother.		
							Na- tive.	For- eign.	Na- tive.	For- eign.	
Benzie.....	Total.....	115	64	27	14	7	-----	1	-----	-----	2
	Males.....	56	26	16	7	4	-----	1	-----	-----	2
	Females..	59	38	11	7	3	-----	-----	-----	-----	-----
Berrien.....	Total.....	659	473	79	55	26	6	7	6	-----	7
	Males.....	336	238	41	27	20	4	2	1	-----	3
	Females..	322	234	38	28	6	2	5	5	-----	4
Branch.....	Unknown	1	1	-----	-----	-----	-----	-----	-----	-----	-----
	Total.....	448	370	31	18	14	4	-----	3	-----	8
	Males.....	241	195	20	10	7	2	-----	3	-----	4
Calhoun.....	Females..	206	174	11	8	7	2	-----	-----	-----	4
	Unknown	1	1	-----	-----	-----	-----	-----	-----	-----	-----
	Total.....	694	494	85	63	29	2	3	4	-----	14
Cass.....	Males.....	338	240	40	31	14	-----	3	3	-----	5
	Females..	344	248	44	31	15	2	-----	1	-----	3
	Unknown	14	6	1	1	-----	-----	-----	-----	-----	6
Charlevoix..	Total.....	320	283	8	19	6	1	-----	2	-----	1
	Males.....	172	158	-----	7	3	1	-----	2	-----	1
	Females..	148	125	8	12	3	-----	-----	-----	-----	-----
Cheboygan..	Total.....	189	87	50	21	22	2	-----	-----	1	6
	Males.....	98	40	26	10	16	2	-----	-----	1	3
	Females..	91	47	24	11	6	-----	-----	-----	-----	3
Chippewa....	Total.....	239	76	99	42	17	-----	-----	1	1	3
	Males.....	124	40	49	21	10	-----	-----	1	1	2
	Females..	115	36	50	21	7	-----	-----	-----	-----	1
Clare.....	Total.....	175	47	68	28	14	5	12	3	-----	-----
	Males.....	82	21	33	14	7	2	5	-----	-----	-----
	Females..	93	26	35	12	7	3	7	3	-----	-----
Clinton.....	Total.....	87	38	25	8	10	-----	4	1	-----	1
	Males.....	42	20	13	4	3	-----	2	-----	-----	-----
	Females..	45	18	12	4	7	-----	2	1	-----	1
Crawford....	Total.....	460	311	57	54	31	4	-----	1	-----	2
	Males.....	229	149	30	29	17	2	-----	1	-----	1
	Females..	231	162	27	25	14	2	-----	-----	-----	1
Crawford....	Total.....	25	17	-----	1	7	-----	-----	-----	-----	-----
	Males.....	14	9	-----	-----	5	-----	-----	-----	-----	-----
	Females..	11	8	-----	1	2	-----	-----	-----	-----	-----

TABLE 9.—CONTINUED.—*Births by Counties, Parent-Nativity, and Sex.*

COUNTIES.	SEX.	Children Born, 1883.	NATIVITY OF PARENTS OF CHILDREN BORN,—1883.								Both Unk.
			Both Native- Born.	Both Foreign- Born.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	MOTHER UNK.		FATHER UNK.		
							Father.		Mother.		
							Na- tive.	For- eign.	Na- tive.	For- eign.	
Delta.....	Total.....	268	75	142	27	19	2	1	1	.....	1
	Males.....	142	42	74	13	9	2	1	1	.....
	Females.....	126	33	68	14	10	.....	.....	.....	.....	1
Eaton.....	Total.....	508	512	24	32	24	2	.....	3	.....	1
	Males.....	301	250	13	20	14	2	.....	1	.....	1
	Females.....	297	262	11	12	10	.....	.....	2	.....
Emmet.....	Total.....	162	98	30	17	12	1	1	1	.....	2
	Males.....	97	57	12	15	9	1	1	1	.....	1
	Females.....	65	41	18	2	3	.....	.....	.....	.....	1
Genesee.....	Total.....	687	444	87	82	61	6	.....	7	.....
	Males.....	349	215	53	47	30	3	.....	1	.....
	Females.....	336	227	34	35	31	3	.....	6	.....
	Unknown.....	2	2	.....	.....	.....	.....	.....	.....	.....
Gladwin.....	Total.....	17	6	7	2	.....	.....	.....	1	.....	1
	Males.....	9	5	2	1	.....	.....	.....	.....	.....	1
	Females.....	8	1	5	1	.....	.....	.....	1	.....
Gr.Traverse.....	Total.....	284	140	86	25	17	1	1	1	2	11
	Males.....	148	73	42	17	9	.....	.....	.....	1	6
	Females.....	135	66	44	8	8	1	1	1	1	5
	Unknown.....	1	1	.....	.....	.....	.....	.....	.....	.....
Gratiot.....	Total.....	487	356	40	53	31	.....	.....	3	.....	4
	Males.....	243	173	19	29	17	.....	.....	3	.....	2
	Females.....	243	182	21	24	14	.....	.....	.....	.....	2
	Unknown.....	1	1	.....	.....	.....	.....	.....	.....	.....
Hillsdale.....	Total.....	478	428	12	19	14	1	.....	3	.....	1
	Males.....	246	218	6	9	9	1	.....	2	.....	1
	Females.....	231	209	6	10	5	.....	.....	1	.....
	Unknown.....	1	1	.....	.....	.....	.....	.....	.....	.....
Houghton.....	Total.....	985	58	755	125	32	.....	.....	2	3	10
	Males.....	510	33	384	67	21	.....	.....	.....	1	4
	Females.....	474	25	371	58	11	.....	.....	1	2	6
	Unknown.....	1	.....	.....	.....	.....	.....	.....	1	.....
Huron.....	Total.....	782	100	527	90	52	.....	8	1	4	.....
	Males.....	397	53	266	44	26	.....	3	1	4	.....
	Females.....	385	47	261	46	26	.....	5	.....	.....	.....

TABLE 9.—CONTINUED.—*Births by Counties, Parent-Nativity, and Sex*

COUNTIES.	SEX.	Children Born, 1883.	NATIVITY OF PARENTS OF CHILDREN BORN,—1883.								Both Unk.
			Both Native- Born.	Both Foreign- Born.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	MOTHER UNK.		FATHER UNK.		
							Father.		Mother.		
							Na- tive.	For- eign.	Na- tive.	For- eign.	
Ingham	Total.....	544	379	62	38	31	20	3	5	-----	
	Males.....	264	195	23	21	11	8	2	3	-----	
	Females.....	280	184	39	17	20	12	1	2	-----	
Ionia	Total.....	574	407	58	66	30	4	1	5	1	
	Males.....	276	202	29	26	14	3	-----	1	-----	
	Females.....	298	205	29	40	16	1	1	4	1	
Iosco	Total.....	337	48	211	37	25	1	1	1	1	
	Males.....	182	24	119	17	14	-----	1	-----	1	
	Females.....	154	24	92	20	11	1	-----	1	-----	
	Unknown.....	1	-----	-----	-----	-----	-----	-----	-----	-----	
Isabella	Total.....	406	218	108	55	21	-----	1	1	-----	
	Males.....	200	96	61	32	10	-----	-----	-----	-----	
	Females.....	205	122	47	23	10	-----	1	1	-----	
	Unknown.....	1	-----	-----	-----	1	-----	-----	-----	-----	
Jackson	Total.....	861	581	149	72	44	1	-----	10	-----	
	Males.....	422	279	76	34	25	-----	-----	5	-----	
	Females.....	439	302	73	38	19	1	-----	5	-----	
Kalamazoo	Total.....	556	350	111	53	28	8	1	2	-----	
	Males.....	276	174	46	32	16	4	1	1	-----	
	Females.....	280	176	65	21	12	4	-----	1	-----	
Kalkaska	Total.....	56	27	12	5	-----	-----	-----	-----	1	
	Males.....	20	9	2	2	-----	-----	-----	-----	-----	
	Females.....	36	18	10	3	-----	-----	-----	-----	-----	
Kent	Total.....	1,982	793	793	220	124	21	4	11	4	
	Males.....	1,041	401	432	114	71	11	1	6	2	
	Females.....	940	391	361	106	53	10	3	5	2	
	Unknown.....	1	1	-----	-----	-----	-----	-----	-----	-----	
Keweenaw	Total.....	274	16	208	41	4	-----	2	1	1	
	Males.....	148	8	115	21	1	-----	1	1	1	
	Females.....	126	8	93	20	3	-----	1	-----	-----	
Lake	Total.....	110	56	32	17	3	-----	-----	2	-----	
	Males.....	57	32	12	10	2	-----	-----	1	-----	
	Females.....	53	24	20	7	1	-----	-----	1	-----	

TABLE 9.—CONTINUED.—*Births by Counties, Parent-Nativity, and Sex.*

COUNTIES.	SEX.	Children Born, 1883.	NATIVITY OF PARENTS OF CHILDREN BORN,—1883.								Both Unk.
			Both Native- Born.	Both Foreign- Born.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	MOTHER UNK.		FATHER UNK.		
							Father.		Mother.		
							Na- tive.	For- eign.	Na- tive.	For- eign.	
Lapeer	Total	652	284	165	109	84	1		4	1	
	Males	332	150	84	48	46	1		1	1	
	Females	319	133	81	61	38			3		3
	Unknown	1	1								
Leelanaw	Total	150	43	75	15	14				1	2
	Males	74	20	31	9	11				1	2
	Females	76	23	44	6	3					
Lenawee	Total	684	471	64	56	28	13		16		16
	Males	338	241	34	27	12	7		7		10
	Females	326	230	30	29	16	6		9		6
Livingston	Total	326	239	29	33	19	1		1		4
	Males	181	141	13	19	7	1				
	Females	145	98	16	14	12			1		4
Mackinac	Total	38	26	6	5	1					
	Males	17	14	1	1	1					
	Females	21	12	5	4						
Macomb	Total	729	326	214	117	67		1	2		2
	Males	405	173	130	64	36			1		1
	Females	324	153	84	53	31		1	1		1
Manistee	Total	592	126	385	46	28			3	1	3
	Males	331	76	211	24	14			2	1	3
	Females	260	50	173	22	14			1		
	Unknown	1		1							
Manitou	Total	22	4	13	4	1					
	Males	13	3	6	3	1					
	Females	9	1	7	1						
Marquette	Total	1,139	107	885	83	34	1	3	2	2	22
	Males	582	61	443	45	19	1	2	1	1	9
	Females	557	46	442	38	15		1	1	2	13
Mason	Total	315	134	168	46	17	2	2	2	2	2
	Males	147	55	58	23	7		1	1	1	1
	Females	168	79	50	23	10	2	1	1	1	1
Mecosta	Total	374	183	107	45	35			1	1	2
	Males	212	107	53	28	23			1		
	Females	162	76	54	17	12				1	2

TABLE 9.—CONTINUED.—*Births by Counties, Parent-Nativity, and Sex.*[illegible]

TABLE 9.—CONTINUED.—*Births by Counties, Parent-Nativity, and Sex.*

COUNTIES.	SEX.	Children Born, 1883.	NATIVITY OF PARENTS OF CHILDREN BORN,—1883.								Both Unk.
			Both Native- Born.	Both Foreign- Born.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	MOTHER UNK.		FATHER UNK.		
							Father.		Mother.		
							Na- tive.	For- eign.	Na- tive.	For- eign.	
Ogemaw	Total.....	43	16	16	6	5					
	Males.....	25	9	10	1	5					
	Females.....	18	7	6	5						
Ontonagon	Total.....	77	13	42	8	3		2	2	3	4
	Males.....	40	4	24	5	2		1	1		3
	Females.....	37	9	18	3	1		1	1	3	1
Oscoda	Total.....	384	178	120	45	34	1		3		3
	Males.....	210	96	60	27	24			1		2
	Females.....	167	82	57	17	10			1		
	Unknown.....	7		3	1		1		1		1
Oscoda	Total.....	18	12	2	2	1			1		
	Males.....	9	4	2	2	1					
	Females.....	9	8						1		
Otsego	Total.....	88	40	30	7	7			1		3
	Males.....	39	17	10	5	4			1		2
	Females.....	49	23	20	2	3					1
Ottawa	Total.....	989	307	465	127	54	2	3	4	3	4
	Males.....	501	163	236	67	28	1	1	3	2	
	Females.....	461	142	226	59	26	1	2	1	1	3
	Unknown.....	7	2	3	1						1
Presque Isle	Total.....	172	11	154	4	2		1			
	Males.....	89	4	82	1	1		1			
	Females.....	83	7	72	3	1					
Roscommon	Total.....	15	7	5	3					1	
	Males.....	7	1	3	2					1	
	Females.....	9	6	2	1						
Saginaw	Total.....	1,860	520	844	274	134	1	3	13	5	69
	Males.....	936	264	431	124	70	1	2	7	2	35
	Females.....	913	256	411	140	64		1	3	3	26
	Unknown.....	11		2	1						3
Shiawassee	Total.....	765	106	443	123	80			1		
	Males.....	384	49	220	66	37					
	Females.....	261	56	213	55	43			1		
Schoolcraft	Total.....	23	9	9	1						4
	Males.....	16	6	5	1						4
	Females.....	7	3	4							

TABLE 9.—CONTINUED.—*Births by Counties, Parent-Nativity, and Sex.*

COUNTIES.	SEX.	Children Born, 1883.	NATIVITY OF PARENTS OF CHILDREN BORN,—1883.								Both Unk.
			Both Native- Born.	Both Foreign- Born.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	MOTHER UNK.		FATHER UNK.		
							Father.		Mother.		
							Na- tive.	For- eign.	Na- tive.	For- eign.	
Shiawassee.	Total.....	456	305	74	51	24	-----	1	1	-----	---
	Males.....	233	158	31	26	15	-----	1	1	-----	---
	Females..	223	146	43	25	9	-----	-----	-----	-----	---
	Unknown	2	1	1	-----	-----	-----	-----	-----	-----	---
St. Clair.....	Total.....	976	336	394	156	77	-----	1	3	3	6
	Males.....	511	179	219	77	37	-----	-----	2	2	2
	Females..	463	156	180	79	40	-----	1	1	1	4
	Unknown	3	1	2	-----	-----	-----	-----	-----	-----	---
St. Joseph..	Total.....	450	315	61	31	14	22	5	3	-----	9
	Males.....	250	170	34	19	5	11	4	2	-----	5
	Females..	205	145	27	12	9	10	1	-----	-----	1
	Unknown	5	-----	-----	-----	-----	1	-----	1	-----	1
Tuscola.....	Total.....	729	320	202	101	96	2	3	-----	2	1
	Males.....	389	179	110	48	47	1	3	-----	-----	1
	Females..	339	140	92	53	49	1	-----	-----	2	2
	Unknown	1	1	-----	-----	-----	-----	-----	-----	-----	---
Van Buren..	Total.....	535	438	28	31	27	3	-----	4	-----	4
	Males.....	279	230	17	14	14	1	-----	3	-----	---
	Females..	255	208	11	17	13	2	-----	1	-----	3
	Unknown	1	-----	-----	-----	-----	-----	-----	-----	-----	1
Washtenaw	Total.....	614	347	111	88	45	2	-----	3	1	17
	Males.....	330	186	65	48	24	-----	-----	1	-----	6
	Females..	282	160	46	39	21	2	-----	2	1	11
	Unknown	2	1	-----	1	-----	-----	-----	-----	-----	---
Wayne.....	Total.....	5,358	1,382	2,707	651	349	1	-----	32	44	192
	Males.....	2,908	764	1,451	356	193	1	-----	16	26	101
	Females..	2,449	618	1,255	295	156	-----	-----	16	18	91
	Unknown	1	-----	1	-----	-----	-----	-----	-----	-----	---
Wexford.....	Total.....	205	114	53	21	13	1	-----	1	-----	2
	Males.....	102	59	29	6	5	-----	-----	1	-----	2
	Females..	103	55	24	15	8	1	-----	-----	-----	---

TWIN CHILDREN, 1883.

The returns of births for 1883 show that 466 pairs of twins were born in Michigan during that year, which was 36 more than were recorded in 1882, and was the largest number ever returned in this State. In 138 cases both children were males, in 140 cases both were females, and in 188 cases there was one child of each sex, making 464 male and 468 female children, with a total of 932. The male and female twins were very equally divided, there being 99 males to every 100 females. Table 10 shows, by months, the number of pairs of twins, and the number of twin children for the year 1883. The month of May stands at the head of the list with the largest number of twin births, and the month of January at the foot with the smallest number. During the year 1883, one twin birth occurred to every 86 single births.

TABLE 10.—*Exhibiting, by Sex, the Number of Pairs of Twins and Twin Children returned for the Year 1883.*

YEAR AND MONTHS, 1883.	NUMBER OF TWIN CHILDREN, 1883.				NUMBER OF PAIRS OF TWINS, 1883.						
	Total.	Males.	Fe- males.	Males to 100 Fe- males.	Total.	Males.	Fe- males.	One of Each Sex.	Males to 100 One of Each Sex.	Males to 100 Fe- males.	
Year, 1883.....	932	a 464	b 468	99	466	138	140	188	73	99	
More than the Av. No. of Twins.	May.....	124	62	62	100	62	16	16	30	53	100
	September..	86	48	38	126	43	16	11	16	100	145
	December..	86	47	39	115	43	14	10	19	74	140
	June.....	78	48	30	160	39	15	6	18	83	250
Av. per month....	78	39	39	100	38.8	12	12	16	75	100	
Less than the Av. No. of Twins.	February..	74	32	42	76	37	10	15	12	83	67
	April.....	74	38	36	106	37	13	12	12	108	108
	July.....	74	37	37	100	37	11	11	15	73	100
	August.....	72	30	42	71	36	6	12	18	33	50
	March.....	70	30	40	75	35	11	16	8	138	69
	November..	70	36	34	106	35	9	8	18	50	113
	October....	64	30	34	88	32	9	11	12	75	82
	January...	60	26	34	76	30	8	12	10	80	67

a Includes 40 still-born, 4 Black, 5 Mulatto, and 4 illegitimates.

b Includes 22 still-born, 2 Black, 1 Mulatto, 2 Indian, and 6 illegitimates.

The facts in regard to the nativity of the parents of twins may be studied in Table 11. The evidence here set forth indicates that 44.42 per cent of all the twin births were of native-born parents, and 37.12 per cent were of foreign-born parents. Comparing this table with Table 7 it will be observed that the proportion of foreign-born parents was greater for twins than for all children born, and of native-born parents the proportion is larger, but not so marked as in the foreign-born. All this tends to show that there is a larger twin birth-

rate among the foreign-born parents than among the native, and as this has been the evidence of former years it seems to be quite conclusive.

TABLE 11.—*Parent-Nativity of Twins Returned in Michigan for 1883.*

NATIVITY OF PARENTS OF TWINS, 1883.	PAIRS OF TWINS, 1883.							
	NUMBER.				PER CENT OF EACH PARENT- NATIVITY TO TOTAL OF ALL NATIVITIES.			
	Total.	Males.	Fe- males.	One of Each.	Total.	Males.	Fe- males.	One of Each.
All Nativities.....	486	138	140	188	100.00	100.00	100.00	100.00
Both Native-born.....	207	70	59	78	44.42	50.73	42.14	41.49
Both Foreign-born.....	173	37	63	73	37.12	26.81	45.00	38.83
Foreign Father and Native Mother..	50	16	10	24	10.73	11.59	7.14	12.77
Foreign Mother and Native Father..	22	10	6	6	4.72	7.25	4.29	3.19
Unknown Mother, Father Native...	-----	-----	-----	-----	-----	-----	-----	-----
Unknown Mother, Father Foreign..	-----	-----	-----	-----	-----	-----	-----	-----
Unknown Father, Mother Native...	1	1	-----	-----	.22	.72	-----	-----
Unknown Father, Mother Foreign..	-----	-----	-----	-----	-----	-----	-----	-----
Both Unknown.....	13	4	2	7	2.79	2.90	1.43	3.72
One or Both Native.....	280	97	75	106	60.09	70.29	53.57	57.45
One or Both Foreign..	245	63	79	103	52.58	45.65	56.43	54.78

The nativity and color of mothers of twin children for each of the years 1881, 1882, 1883, and also the average for ten years 1873-1882, may be studied in Table 12. The average for the ten years indicates that the largest proportion of twins was among the foreign-born mothers, and also among the Black and Mulatto mothers.

TABLE 12.—*By Nativity and Color of Mothers, the Number and Proportion of Twin Births returned for the Years 1881, 1882, 1883, and the Average for Ten Years 1873-1883.*

NATIVITY AND COLOR OF MOTHERS OF TWINS, 1881-1883.	1881.			1882.			1883.			Av. for 10 Years, 1873-1882.		
	No. of Pairs of Twins.	Whole Number of Mothers, in- cluding those of Twins.	Per Ct. of Births of Twins to all Mothers.	No. of Pairs of Twins.	Whole Number of Mothers, in- cluding those of Twins.	Per Ct. of Births of Twins to all Mothers.	No. of Pairs of Twins.	Whole Number of Mothers, in- cluding those of Twins.	Per Ct. of Births of Twins to all Mothers.	No. of Pairs of Twins.	Whole Number of Mothers, in- cluding those of Twins.	Per Ct. of Births of Twins to all Mothers.
Mothers of all Colors and all Nationalities....	372	34,367	1.08	430	36,578	1.18	466	40,325	1.16	398	33,767	1.18
All Native-born Mothers	218	20,001	1.09	220	20,504	1.07	258	22,323	1.16	219	19,214	1.14
All Foreign-born Mothers	153	13,608	1.12	199	15,252	1.30	195	17,138	1.14	171	13,596	1.26
Mothers of Unknown Nationalities.....	1	758	.13	11	822	1.34	13	864	1.50	8	957	.84
White.....	364	34,013	1.07	424	36,225	1.17	459	39,953	1.15	393	33,288	1.18
Black.....	3	116	2.59	2	131	1.53	3	116	2.59	2	126	1.57
Mulatto.....	2	82	2.44	3	103	2.91	3	113	2.66	2	88	2.27
Indian.....	2	93	2.15	1	117	.85	1	126	.71	2	134	1.49
Unknown.....	1	63	1.59	—	2	—	—	17	—	1	131	.76
Black and Mulatto.....	5	198	2.53	5	234	2.14	6	229	2.62	4	214	1.87

TRIPLLET CHILDREN, 1883.

TABLE 13.—*Exhibiting certain details concerning Triplet Children returned for the Year 1883.*

COUNTIES.	TRIPLLET CHILDREN, 1883.					PARENTS OF TRIPLETS, 1883.		
	Month of Birth, 1883.	Color.	SEX.			Birthplace of Father.	Birthplace of Mother.	Occupation of Father.
			Males.	Fe- males.	Unk.			
Alpena.....	May.....	White.....	—	3	—	Norway.....	Norway.....	Farmer.
Bay.....	July.....	White.....	3	—	—	Canada.....	Canada.....	Foreman.
Berrien.....	April.....	White.....	—	3	—	Germany.....	Germany.....	Laborer.
Calhoun.....	June.....	White.....	3	—	—	Michigan.....	Michigan.....	Painter.
Lake.....	December	White.....	—	3	—	Canada.....	Michigan.....	Farmer.
Marquette.....	August...	White.....	a 1	2	—	Canada.....	England.....	Explorer.
Newaygo.....	August...	White.....	—	b 3	—	Sweden.....	Germany.....	Laborer.
Ottawa.....	May.....	White.....	3	—	—	Holland.....	Holland.....	Farmer.
Wayne.....	February..	White.....	3	—	—	Canada.....	Michigan.....	Railroader.

* Male still-born. b 1 female still-born.

There were nine cases of triplets returned for the year 1883, the same number as recorded for 1882. In one case the parents were both native, in six both were foreign, while in two cases there was a mixed parentage. In the set returned from Marquette county the male was still-born, and in the set from Newaygo county one female was still-born. There were 13 males, and 14 females, all white.

Table 14 shows the variation in the number of plural births as returned from year to year, also the average for the fourteen years 1870-1883.

By an examination of Table 15, where the parentage of plural births is given for a series of years, also the average for fourteen years, it will be seen that the percentage of foreign-born and mixed parentage was greater than the average, while the percentage of native-born and unknown parentage was less than the average.

TABLE 14.—*Plural Births,—Fourteen Years,—1870-83.*

YEARS.	Pairs of Twins.	Cases of Triplets.	No. of Births to One Pair of Twins.	No. of Births to One Case of Triplets.
1870.....	339	4	79	6,606
1871.....	298	3	87	8,664
1872.....	342	5	82	5,529
1873.....	420	4	82	8,052
1874.....	408	2	76	15,526
1875.....	370	1	86	31,958
1876.....	428	8	80	4,279
1877.....	367	-----	91	33,395
1878.....	427	3	82	11,721
1879.....	402	2	85	17,061
1880.....	358	5	99	7,065
1881.....	372	5	93	6,950
1882.....	430	9	86	4,114
1883.....	466	9	88	4,534
Average.....	388	4	85	12,013

TABLE 15.—*Parentage of Plural Births,—Fourteen Years,—1870–1883.*

YEARS.	Totals.	NATIVE-BORN.		FOREIGN-BORN.		MIXED.		UNKNOWN.	
		Num- bers.	Percent- ages.	Num- bers.	Percent- ages.	Num- bers.	Percent- ages.	Num- bers.	Percent- ages.
1870.....	690	344	49.86	204	29.57	84	12.17	58	8.40
1871.....	605	270	44.63	215	35.54	48	7.93	72	11.90
1872.....	699	307	43.92	272	38.91	87	12.45	33	4.72
1873.....	852	390	45.78	330	38.73	120	14.09	12	1.40
1874.....	822	329	40.03	321	39.05	140	17.03	32	3.89
1875.....	743	271	36.47	318	42.80	124	16.69	30	4.04
1876.....	880	391	44.43	322	36.59	143	16.25	24	2.73
1877.....	734	334	45.51	252	34.33	122	16.62	26	3.54
1878.....	863	402	46.58	291	33.72	142	16.45	28	3.25
1879.....	810	374	46.17	236	29.14	188	23.21	12	1.48
1880.....	731	341	46.65	276	37.75	104	14.23	10	1.37
1881.....	759	355	46.77	270	35.57	124	16.34	10	1.32
1882.....	887	350	39.46	358	40.36	153	17.25	26	2.93
1883.....	959	417	43.48	364	37.96	150	15.64	28	2.92
Average.....	788	348	44.16	283	36.55	123	15.61	29	3.68

STILL-BIRTHS, 1883.

There were 884 still-births reported for the year 1883, of which 513 were males, 328 females, and 43 in which the sex was not returned. This is the largest number ever recorded in this State, and there has been a constant increase since 1881. The average annual number for the ten years 1873–1882 was 657, which was 227 less than the number returned in 1883. It will be observed that, in 1883, 2.17 per cent of all the births were still-born, and 2.14 per cent of all the mothers, who bore children during the year, gave birth to still-born children, as shown in Table 16. The average for ten years is much less than this.

According to the facts presented in Table 17, a larger proportion of the foreign-born mothers bear still-born children than the native, and as this has been the case for every year, it seems to be an established fact. By an examination of the average for ten years, it will be observed that a much larger proportion of the Black and Mulatto mothers have still-births than the mothers of any other color.

TABLE 16.—*The Relation of Still-births to all Births, and the Relation of Mothers of Still-born Children to all Mothers returned for each of the Years 1880, 1881, 1882, 1883, and the Average for Ten Years 1873-1882.*

CHILDREN AND MOTHERS.	TOTAL BIRTHS AND STILL-BIRTHS.				
	1880,	1881.	1882.	1883.	Average for 10 Years, 1873-1882.
All Children born.....	35,323	34,749	37,026	40,809	34,173
Still-born Children.....	738	691	792	884	637
Per Cent of Still-born to Total.....	2.09	1.99	2.14	2.17	1.92
All Mothers.....	34,953	34,367	36,578	40,325	33,767
Mothers of Still-born Children.....	723	678	771	863	637
Per Cent of Mothers of Still-born Children to All Mothers.....	2.07	1.97	2.11	2.14	1.89

TABLE 17.—*By Nativity and Color, the Number and Proportion of Mothers having Still-births for the Years 1881, 1882, 1883, and the Average for Ten Years 1873-1882.*

NATIVITY AND COLOR OF MOTHERS.	1881.			1882.			1883.			Av. for 10 Years, 1873-1882.		
	Mothers having Still-births.	Whole Number of Mothers, including those of Still-births.	Per Cent of Mothers of Still-births to all Mothers.	Mothers having Still-births.	Whole Number of Mothers, including those of Still-births.	Per Cent of Mothers of Still-births to all Mothers.	Mothers having Still-births.	Whole Number of Mothers, including those of Still-births.	Per Cent of Mothers of Still-births to all Mothers.	Mothers having Still-births.	Whole Number of Mothers, including those of Still-births.	Per Cent of Mothers of Still-births to all Mothers.
Mothers of all colors and all nativities.....	678	34,367	1.97	771	36,578	2.11	863	40,325	2.14	637	33,767	1.89
All native-born mothers	352	20,001	1.76	358	20,504	1.75	398	22,323	1.78	312	19,214	1.63
All foreign-born mothers	272	13,608	2.00	306	15,252	2.01	334	17,138	1.95	257	13,506	1.89
Mothers of unknown Nativities	54	758	7.12	107	822	13.02	131	864	15.16	68	957	7.11
White.....	650	34,013	1.91	760	36,225	2.10	846	39,953	2.12	618	33,288	1.86
Black	6	116	5.17	9	131	6.87	2	116	1.72	4	126	3.15
Mulatto	5	82	6.10	1	103	.97	1	113	.88	3	88	3.41
Indian	—	93	—	1	117	.85	1	126	.79	1	134	.75
Unknown.....	17	63	26.98	—	2	—	13	17	76.47	11	131	8.40
Black and Mulatto.....	11	198	5.56	10	234	4.27	3	229	1.31	7	214	3.27

The subject of still-born children may be still further studied in Tables 18 and 19.

TABLE 18.—*Parent-Nativity of Still-born Children returned for the Year 1883.*

NATIVITY OF PARENTS OF STILL-BORN CHILDREN, 1883.	STILL-BORN CHILDREN, 1883.							
	NUMBER.				PER CENT OF EACH PARENT- NATIVITY TO TOTAL OF ALL NATIVITIES.			
	Total.	Males.	Fe- males.	Unk.	Total.	Males.	Fe- males.	Unk.
All Nativities.....	884	513	328	43	100.00	100.00	100.00	100.00
Both Native-born.....	325	193	119	13	36.76	37.62	36.28	30.23
Both Foreign-born.....	300	185	107	8	33.94	36.06	32.62	18.60
Foreign Father and Native Mother.....	81	48	31	2	9.16	9.36	9.45	4.65
Foreign Mother and Native Father.....	40	21	19	—	4.52	4.09	5.80	—
Unknown Mother, Father Na- tive.....	—	—	—	—	—	—	—	—
Unknown Mother, Father For- eign.....	2	1	1	—	.23	.20	.30	—
Unknown Father, Mother Na- tive.....	3	—	2	1	.34	—	.61	2.33
Unknown Father, Mother For- eign.....	2	—	2	—	.23	—	.61	—
Both Unknown.....	131	65	47	19	14.82	12.67	14.33	44.19
One or Both Native.....	449	262	171	16	50.79	51.07	52.13	37.21
One or Both Foreign.....	425	255	160	10	48.08	49.71	48.78	23.26

TABLE 19.—*Exhibiting, by Sex, the Parent-Nativity, and by Sex and Months, the Number of Still-births Returned in Michigan for the Year 1883.*

SEX OF STILL-BIRTHS, 1883.	Year, 1883.	MONTHS, 1883.												NATIVITY OF PARENTS OF STILL-BIRTHS, 1883.								
																		MOTHER UNK.		FATHER UNK.		
														Father.		Mother.						
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Native.	Foreign.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	Native.	Foreign.	Native.	Foreign.	Both Unknown.
Total	a 884	60	54	71	79	68	52	87	87	93	69	75	87	2	325	300	81	40	2	3	2	131
Males	b 513	37	29	36	49	39	28	50	44	62	37	44	56	2	193	185	48	21	1	2	2	65
Females	c 328	21	21	33	26	26	20	33	39	25	27	29	28	..	119	107	31	19	1	2	2	47
Unknown	d 43	2	4	2	4	3	4	4	4	6	5	2	3	..	13	8	2	..	..	1	..	19

a Includes 10 pairs and 6 half-pairs male twins; 4 pairs and 4 half-pairs female twins; 7 pairs twins one of each sex, 7 male twins and 3 female twins; and 2 triplet children.

b Includes 1 triplet child, 2 Black, and 2 illegitimate.

c Includes 1 triplet child, 1 Indian, 1 color unknown, and 6 illegitimate.

d Includes 1 Mulatto, 12 color unknown, and 2 illegitimate.

The following table shows the number of males to 100 females among children born alive, still-births, and illegitimates. The universal rule in this State has been an excess of males among total births and still-born. Table 20 affords a comparison with regard to sex, in 1882, 1883, and the previous twelve years. It will be noticed that the disparity of the sexes among the still-born is greater than for the others.

TABLE 20.—*Births.—Proportion of Males to Females.—Fourteen Years.*

		1882.	1883.	Previous Twelve Years.
Born alive.....	Males	18,741	20,683	196,432
	Females	17,466	19,204	182,258
	Unknown	27	38	420
Males to 100 females.....		107	108	108
Still-born.....	Males	438	513	3,440
	Females	321	328	2,426
	Unknown	33	43	375
Males to 100 females.....		136	157	142
Illegitimate.....	Males	145	155	1,637
	Females	154	153	1,497
	Unknown.....	2	3	31
Males to 100 females.....		94	101	109

ILLEGITIMATE CHILDREN, 1883.

Among the illegitimate births returned in 1883, there were 155 males, 153 females, and 3 whose sex was not reported—a total of 311. Of the whole number registered, Wayne county contributed 144, nearly one-half, and the rate of illegitimates to the total number of births in the county was 26.8 to 1,000; while in the State at large it was 7.6 to 1,000. There was a slight increase over the number returned for 1882, but it is still much less than the number reported for 1880 and 1881. The average annual number for fifteen years 1868–1882 was 247, and the average for ten years 1873–1882 was 293.

Table 22 shows the nativity and color of mothers of illegitimate children for the years 1881, 1882, 1883, and the average for ten years 1873–1882. Of course it is to be expected that the records of these births will be very incomplete, but the omissions are about the same from year to year. The greatest proportion of mothers of illegitimates to all mothers appears for the Indians, and the smallest for the Whites.

Table 24 contains some important evidence on this subject, as it shows the illegitimate birth-rate among the different races for the year 1883. The birth-rate is seen to be much larger among the Indians, and Black and Mulatto than among the White.

As these calculations are based upon the population of 1880, of course they are not accurate, but are good for purposes of comparison with other years.

TABLE 21.—*The Relation of Illegitimate Children to all Children born for the Years 1880-1883, and the Average for Ten Years 1873-1882.*

CHILDREN AND MOTHERS.	TOTAL BIRTHS AND ILLEGITIMATES.				
	1880.	1881.	1882.	1883.	Average for Ten Years, 1873-1882.
All Children born.....	35,323	34,749	37,026	40,809	34,173
Illegitimate Children.....	425	382	301	311	293
Per Cent of Illegitimates to Total....	1.20	1.10	.81	.76	.86
All Mothers.....	34,953	34,367	36,578	40,325	33,767
Mothers of Illegitimate Children.....	423	378	299	306	291
Per Cent of Mothers of Illegitimates to all Mothers.....	1.21	1.10	.82	.76	.86

TABLE 22.—*By Nativity and Color, the Number and Proportion of Mothers of Illegitimates returned for the Years 1881-1883, and the Average for Ten Years 1873-1882.*

NATIVITY AND COLOR OF MOTHERS.	1881.			1882.			1883.			Av. for 10 Years, 1873-1882.		
	Mothers having Illegitimates.	Whole Number of Mothers, including those of Illegitimates.	Per Cent of Mothers of Illegitimates to all Mothers.	Mothers having Illegitimates.	Whole Number of Mothers, including those of Illegitimates.	Per Cent of Mothers of Illegitimates to all Mothers.	Mothers having Illegitimates.	Whole Number of Mothers, including those of Illegitimates.	Per Cent of Mothers of Illegitimates to all Mothers.	Mothers having Illegitimates.	Whole Number of Mothers, including those of Illegitimates.	Per Cent of Mothers of Illegitimates to all Mothers.
Mothers of all Colors and all Nativities.....	378	34,367	1.10	299	36,578	.82	306	40,325	.76	291	33,767	.86
All Native-born Mothers.....	185	20,001	.92	143	20,504	.70	135	22,323	.60	139	19,214	.72
All Foreign-born Mothers.....	96	13,608	.71	77	15,252	.50	83	17,138	.50	72	13,596	.53
Mothers of Unknown Nativities.....	97	758	12.80	79	822	9.61	85	864	9.84	80	957	8.36
White.....	395	34,013	1.07	275	36,225	.76	289	39,953	.72	268	33,288	.81
Black.....	6	116	5.17	9	131	6.87	5	116	4.31	7	126	5.56
Mulatto.....	3	82	3.66	4	103	3.88	5	113	4.42	4	88	4.55
Indian.....	4	93	4.30	11	117	9.40	7	126	5.55	10	134	7.46
Unknown.....	---	63	---	---	2	---	---	17	---	2	131	1.53
Black and Mulatto.....	9	193	4.55	13	234	5.56	10	229	4.36	11	214	5.14

TABLE 23.—*Exhibiting, by Sex, the Number by Months, and the Nativity of Parents of Illegitimates returned for the Year 1883.*

SEX OF ILLEGITIMATES.	Year, 1883.	MONTHS, 1883.												NATIVITY OF MOTHERS OF ILLEGITIMATES, 1883.						NATIVITY OF FATHERS OF ILLEGITIMATES, 1883.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FOREIGN.			Total.	NATIVE.			FORE		

a Includes 2 males, 6 females, and 2 unknown sex, still-born; 1 pair male twins, 2 pairs female twins, and 2 pairs 1 of each sex.

b Includes 4 Black, 2 Mulatto, and 5 Indian.

c Includes 1 Black, 2 Mulatto, and 2 Indian.

d 1 Mulatto.

Table 24 shows the proportion of illegitimate births to every thousand births for the years 1870-1883, and the average for the fourteen years. It will be observed that the year 1883 is below the average.

The average excess in the percentage of native-born mothers of illegitimates over the foreign-born for a period of fourteen years, 1870-1883, was 21.1. For the year 1883 the excess was only 16.4, as may be seen in Table 25.

TABLE 24.—*Illegitimate Births registered in Fourteen Years, 1870-83.*

YEARS.	CHILDREN BORN OUT OF WEDLOCK.		YEARS.	CHILDREN BORN OUT OF WEDLOCK.	
	Numbers.	To every 1,000 Births.		Numbers.	To every 1,000 Births.
1870.....	155	5.81	1877.....	316	9.46
1871.....	183	7.04	1878.....	203	5.74
1872.....	199	7.11	1879.....	292	8.55
1873.....	316	9.13	1880.....	425	12.03
1874.....	236	7.57	1881.....	383	10.99
1875.....	193	6.04	1882.....	301	8.13
1876.....	266	7.77	1883.....	311	7.62
Average 14 years.....				270	8.07

TABLE 25.—*Illegitimate Births.—Nativity of Mothers.—14 Years.*

YEARS.	Totals.	NATIVE.		FOREIGN.		UNKNOWN.	
		Num-ber.	Percent.	Num-ber.	Percent.	Num-ber.	Percent.
1870.....	155	86	55.48	41	26.45	28	18.07
1871.....	183	75	40.98	74	40.44	34	18.58
1872.....	199	101	50.76	65	32.66	33	16.58
1873.....	316	128	40.51	95	30.06	93	29.43
1874.....	236	110	46.61	93	39.41	33	13.98
1875.....	193	96	49.74	32	16.58	65	33.68
1876.....	266	173	65.04	53	19.92	40	15.04
1877.....	316	161	50.95	80	25.32	75	23.73
1878.....	203	114	56.44	34	16.83	54	26.73
1879.....	292	137	46.92	90	30.82	65	22.26
1880.....	425	148	34.82	73	17.18	204	48.00
1881.....	383	187	49.35	98	25.65	97	25.40
1882.....	301	145	48.17	77	25.58	79	26.25
1883.....	311	137	44.05	86	27.65	88	28.30
Average.....	270	128	47.40	71	26.30	71	26.30

TABLE 26.—*Exhibiting, by Color and Sex, the Population of 1880, the Number of Illegitimates returned for the Year 1883, and the Per Cent of such Children to Inhabitants.*

COLOR OR RACE.	Sex.	Population June 1, 1880, Represented by Births in 1883.	Total Illegitimate Births, 1883.	Per Cent of Births to Popula- tion.	Per Cent of each Sex to Total of Both Sexes.	Number of Inhabit- ants to one Illegitimate Child of the same Color.
All Colors.....	Total.....	1,633,060	311	.02	-----	5,251
	Males.....	850,943	155	.02	50.32	5,548
	Females.....	773,117	153	.02	49.68	5,063
	Unknown.....	-----	3	-----	-----	-----
White.....	Total.....	1,610,917	294	.02	-----	5,479
	Males.....	-----	144	-----	49.32	-----
	Females.....	-----	148	-----	50.68	-----
	Unknown.....	-----	2	-----	-----	-----
Black.....	Total.....	-----	5	-----	-----	-----
	Males.....	-----	4	-----	80.00	-----
	Females.....	-----	1	-----	20.00	-----
Mulatto.....	Total.....	-----	5	-----	-----	-----
	Males.....	-----	2	-----	50.00	-----
	Females.....	-----	2	-----	50.00	-----
	Unknown.....	-----	1	-----	-----	-----
Indian.....	Total.....	7,029	7	.10	-----	1,004
	Males.....	-----	5	-----	71.43	-----
	Females.....	-----	2	-----	28.57	-----
Black and Mulatto.....	Total.....	15,088	10	.07	-----	1,509
	Males.....	-----	6	-----	66.67	-----
	Females.....	-----	3	-----	33.33	-----
	Unknown.....	-----	1	-----	-----	-----

* Includes 28 Asiatics.

BIRTHS OF TWINS, ILLEGITIMATE, AND STILL-BORN CHILDREN. 55

TABLE 27.—*Exhibiting, by Counties, the Number of Pairs of Twins, and the Number of Illegitimate and Still-born Children returned for the Year 1883.*

STATE AND COUNTIES.	Number of Pairs of Twins Born in 1883.	Number of Illegit- imate Children Born in 1883.	Number of Still- births in 1883.	COUNTIES.	Number of Pairs of Twins Born in 1883.	Number of Illegit- imate Children Born in 1883.	Number of Still- births in 1883.
State.....	466	311	384	Keweenaw.....	2	2	6
Alcona.....	1	.....	1	Lapeer.....	10	3	7
Allegan.....	8	1	17	Leelanaw.....	1	2	7
Alpena.....	5	2	8	Lenawee.....	9	1	9
Antrim.....	.....	1	4	Livingston.....	1	.....	2
Arenac.....	.....	.....	3	Macomb.....	7	5	12
Baraga.....	.....	.....	1	Manistee.....	12	2	24
Barry.....	1	4	5	Marquette.....	10	8	21
Bay.....	22	4	27	Mason.....	6	.....	11
Benzie.....	2	1	11	Mecosta.....	4	4	3
Berrien.....	7	5	13	Menominee.....	2	.....	4
Branch.....	3	3	10	Midland.....	2	2	3
Calhoun.....	13	1	17	Missaukee.....	2	.....	4
Cass.....	3	1	5	Monroe.....	16	5	24
Charlevoix.....	4	1	8	Montcalm.....	5	2	12
Cheboygan.....	3	3	2	Montmorency.....	2	.....	1
Chippewa.....	1	4	1	Muskegon.....	16	2	14
Clare.....	1	.....	2	Newaygo.....	8	.....	8
Clinton.....	6	1	10	Oakland.....	8	1	18
Crawford.....	.....	.....	1	Oceana.....	1	1	5
Delta.....	6	2	5	Ogemaw.....	1	.....	.....
Eaton.....	3	3	6	Ontonagon.....	1	3	1
Emmet.....	2	4	4	Osceola.....	7	2	22
Genesee.....	8	5	11	Otsego.....	.....	.....	9
Gladwin.....	1	.....	1	Ottawa.....	15	4	26
Grand Traverse.....	2	1	7	Presque Isle.....	.....	.....	1
Gratiot.....	5	3	11	Roscommon.....	.....	1	1
Hillsdale.....	4	3	4	Saginaw.....	20	5	56
Houghton.....	12	7	32	Sanilac.....	7	2	15
Huron.....	8	6	13	Shiawassee.....	3	.....	10
Ingham.....	9	.....	12	St. Clair.....	9	5	41
Ionia.....	11	2	9	St. Joseph.....	5	4	20
Iosco.....	2	.....	4	Tuscola.....	10	3	8
Isabella.....	5	1	5	Van Buren.....	6	5	10
Jackson.....	6	4	4	Washtenaw.....	8	12	9
Kalamazoo.....	8	1	11	Wayne.....	54	144	135
Kent.....	21	7	33	Wexford.....	3	.....	7

Table 28 shows the townships in Michigan in which it was reported that no births occurred in 1883. Eleven of these townships were organized since the census of 1880 was taken, and the remaining ones represent a population of 2,263.

TABLE 28.—*Townships in which it was Reported there were no Births in 1883.*

COUNTIES.	TOWNSHIPS—No BIRTHS IN 1883.	POPULATION IN 1880.		
		Total.	Males.	Females.
Total.....		2,263		
Cheboygan	{ Nunda			
	{ Waverley			
Iosco	Sherman	217		
Kalkaska	Springfield	404	242	162
Lake	Eden	92	49	43
Midland	Greendale			
Missaukee	Caldwell	104	52	52
	{ Cumming	122	91	31
	{ Edwards	306	210	96
Ogemaw	{ Hill			
	{ Klacking	470		
	{ Mills			
	{ Big Creek			
Oscoda	{ Comins			
	{ Long Lake			
	{ Mentor			
Otsego	Charlton	100	65	35
Roscommon	{ Gerrish	214	196	18
	{ Nester	234	228	6
Schoolcraft	{ Germfask			
	{ Seney			

* Organized since census was taken.

Table 29 gives the names of the townships from which no returns of births were received for the year 1883. These delinquent towns represent a population of 3,877. In nearly every case the supervisors failed to make the proper returns to the county clerk.

TABLE 29.—*Exhibiting the Counties and Townships from which no Returns of Births in 1883 were received.*

COUNTIES.	TOWNSHIPS FROM WHICH NO RETURNS OF BIRTHS WERE RECEIVED FOR 1883.	POPULATION, JUNE 1, 1880.			Total White.	Total Black and Mulatto.	Total Indian.	Total Native.	Total Foreign.
		Total.	Males.	Females.					
Total.....	.....	3,877	2,412	1,465	3,643	14	230	2,665	716
Clare.....	Frost.....	148	112	36	148	.....	.....	.....	.....
Delta.....	Winona.....	78	43	35	78	.....	.....	.....	.....
Isle Royal.....	All townships.....	55	31	24	55	.....	.....	34	21
Mackinac.....	Hendricks.....	434	294	140	409	.....	25	317	117
	Holmes.....	910	463	423	762	13	135	747	163
Montcalm.....	Home.....	1,962	1,276	706	1,961	1	.....	1,567	415
Schoolcraft.....	Munising.....	270	174	96	210	.....	60	.....	.....

MARRIAGES, 1883.

The total number of marriages as first returned by the county clerks, in 1883, was 16,420, a number more by 242 than was originally returned and published for 1882. Since the compilation of the marriages in 1882 there have been 530 more returned for that year with the returns for 1883. The law requires all persons, who are authorized to solemnize marriages in this State to make a record of each marriage and to deliver to the clerk of the county in which such marriage took place, within ninety days thereafter, a certified copy of such record. There seems to be no excuse for the frequent violation of this law.

The average annual number of marriages, as first returned, for the thirteen years 1870-1882, was 11,875. The average annual number for the same period of years, when the marriages are corrected for additional returns up to December 22, 1884, was 12,713, a difference of 838.

Based upon the population of 1880, the marriage-rate in 1883, the number of marriages to every thousand of the population was 10.03; that is to say, of every thousand of the inhabitants at all ages, twenty were married. Using the estimated population of the State for the year 1883, the number of marriages to every thousand of the population would be 9.10, or 18.20 persons.

The average number of marriages for each of certain specified periods of time, during the year 1883, was as follows:

Total number of marriages.....	16,420
Average number per quarter.....	4,105
Average number per month.....	1,368
Average number per week.....	368
Average number per day.....	45

Table 30 enables us to study the proportion of marriages solemnized in different quarters of the year for each of the years 1880-1883, and the average for ten years 1873-1882. As in former years, the last quarter shows the largest proportion of marriages, this being true not only for each year in the table, but also for the average for ten years. The order of preference for the four quarters, in 1883, was as follows: fourth, second, third, first. The order of the quarters for the average was, fourth, third, first, second. The last quarter of the year has always been preferred by Michigan people as the season best suited for marriage contracts.

TABLE 30. — *Marriages by Quarters of the Year for each of the Years 1880-1883, and the Average for Ten Years 1873-1882, Corrected for additional Returns up to December 22, 1884.*

TOTALS AND MONTHS WITH WHICH QUARTERS END.	1880.		1881.		1882.		1883.		AVERAGE FOR 10 YEARS, 1873-1882.	
	Num-ber.	Per Cent.	Num-ber.	Per Cent.	Num-ber.	Per Cent.	Num-ber.	Per Cent.	Num-ber.	Per Cent.
Totals.....	14,935	100.00	15,838	100.00	16,708	100.00	16,420	100.00	13,421	100.00
March.....	3,348	22.42	3,473	21.93	3,627	21.71	3,696	22.51	3,026	22.55
June.....	3,262	21.84	3,473	21.93	3,723	22.28	3,966	24.15	2,925	21.79
September.....	3,639	24.36	3,810	24.06	3,991	23.89	3,954	24.08	3,224	24.02
December.....	4,683	31.36	5,079	32.07	5,356	32.06	4,798	29.22	4,240	31.59
Unknown.....	3	.02	3	.02	11	.06	6	.04	6	.05
Average.....*	3,734	25.00	3,960	25.00	4,177	25.00	4,105	25.00	3,355	25.00

* Including marriages in unknown quarter of the year.

TABLE 31. — *Marriages by Quarters of the Year for each of the Years 1880-1883, and the Average for Ten Years 1873-1882, as originally returned and published in Reports.*

TOTALS AND MONTHS WITH WHICH QUARTERS END.	1880.		1881.		1882.		1883.		AVERAGE FOR 10 YEARS, 1873-1882.	
	Num-ber.	Per Cent.	Num-ber.	Per Cent.	Num-ber.	Per Cent.	Num-ber.	Per Cent.	Num-ber.	Per Cent.
Totals.....	14,149	100.00	14,847	100.00	16,178	100.00	16,420	100.00	12,516	100.00
March.....	3,261	23.05	3,376	22.74	3,577	22.11	3,696	22.51	2,932	23.43
June.....	3,151	22.27	3,368	22.69	3,644	22.52	3,966	24.15	2,809	22.44
September.....	3,472	24.54	3,630	24.45	3,878	23.97	3,954	24.08	3,045	24.33
December.....	4,262	30.12	4,471	30.11	5,068	31.33	4,798	29.22	3,724	29.75
Unknown.....	3	.02	2	.01	11	.07	6	.04	6	.05
Average.....*	3,537	25.00	3,712	25.00	4,045	25.00	4,105	25.00	3,129	25.00

* The number in unknown quarter of year included.

Table 31 differs from Table 30, in as much as the former shows the number and proportion of marriages solemnized in each of the years 1880-1883 as first returned, tabulated and published, without the corrections for additional returns. A comparison of the two tables will show the number of marriages which has been added to the original number as first returned, for each year, and also how frequently the marriage law is violated in this State.

In 1883, the largest number of marriages was returned for October, and the smallest number for March. In the average for ten years the largest number appears for December and the smallest for June. It may also be observed, in Table 32, that the month of November is either the first or second month in order for each year and the average.

TABLE 32.—*Marriages by Months, greatest first, for the Years 1881-1883, and the Average for Ten Years 1873-1882, Corrected for additional returns up to December 22, 1884.*

ORDER.	1881.			1882.			1883.			AVERAGE FOR 10 YEARS, 1873-1882.		
	Months.	Num- ber.	Per Cent of Total.	Months.	Num- ber.	Per Cent of Total.	Months.	Num- ber.	Per Cent of Total.	Months.	Num- ber.	Per Cent of Total.
	Total..	15,838	100.00	Total..	16,708	100.00	Total..	16,420	100.00	Total..	13,421	100.00
1	Dec....	1,711	10.80	Nov....	1,826	10.93	Oct....	1,689	10.29	Dec....	1,423	10.60
2	Nov....	1,687	10.64	Oct....	1,789	10.71	Nov....	1,633	9.94	Nov....	1,411	10.51
3	Oct....	1,681	10.61	Dec....	1,741	10.42	Sept..	1,503	9.15	Oct....	1,406	10.48
4	Sept..	1,422	8.99	Sept..	1,473	8.82	Dec....	1,476	8.99	Sept..	1,201	8.95
5	July...	1,289	8.14	July...	1,355	8.11	April..	1,440	8.59	July...	1,096	8.17
6	Jan....	1,196	7.55	April..	1,339	8.01	Jan....	1,337	8.14	Jan....	1,060	7.90
7	May...	1,195	7.55	Jan....	1,253	7.50	July...	1,304	7.94	April..	1,033	7.70
8	Mar....	1,178	7.44	May...	1,240	7.42	May...	1,284	7.82	Mar....	1,006	7.50
9	April..	1,147	7.24	Mar....	1,224	7.33	Mar...	1,279	7.79	May...	988	7.36
10	June...	1,131	7.14	Aug....	1,163	6.96	June..	1,272	7.75	Feb....	960	7.15
11	Feb....	1,069	6.94	Feb....	1,150	6.88	Aug....	1,147	6.98	Aug....	927	6.91
12	Aug....	1,069	6.94	June...	1,144	6.85	Feb..	1,080	6.58	June...	904	6.73
	Unk....	3	.02	Unk....	11	.06	Unk...	6	.04	Unk....	6	.04
	Av.... ^a	1,320	8.33	Av.... ^a	1,392	8.33	Av.... ^a	1,368	8.33	Av.... ^a	1,118	8.33

^a Includes those for unknown month.

The following table gives the number of marriages, by months, as returned from each county in the State during the year 1883.

TABLE 33.—*Distinguishing by Counties and by Months, the Number of Marriages returned for the Year 1883.*

STATE AND COUNTIES.	Year, 1883.	MONTHS, 1883.												Un.
		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	
STATE.....	16,420	1,337	1,080	1,279	1,410	1,284	1,272	1,304	1,147	1,503	1,689	1,633	1,476	6
Alcona.....	32	3	1	2	2		2	6		5	3	3	5	
Allegan.....	384	28	23	36	27	27	21	29	28	34	45	47	34	
Alpena.....	148	7	3	8	11	18	12	14	19	17	12	18	9	
Antrim.....	75	4	5	3	8	2	10	11	6	9	7	4	6	
Arenac.....	14						1	1	1	1	2	3	5	
Baraga.....	10				1	1	1	1	2	1	2	1		
Barry.....	207	17	12	33	16	9	15	15	13	16	17	19	26	
Bay.....	352	33	25	31	31	29	36	35	35	21	28	26	22	
Benzie.....	31	4		2	1	1	4	6	4	1	5	1	2	
Berrien.....	554	45	37	47	47	46	38	34	36	64	51	50	59	
Branch.....	292	36	23	20	21	14	19	21	14	29	29	35	31	
Calhoun.....	328	25	22	27	16	28	31	24	25	25	34	33	40	
Cass.....	293	4	6	14	21	11	12	13	14	25	30	25	28	
Charlevoix.....	68	7	4	7	5	5	1	7	9	8	6	4	5	
Cheboygan.....	89	6	2	2	6	9	7	8	8	11	13	11	6	
Chippewa.....	37	2	2	5	4	2	6	2	2	5	3	3		1
Clare.....	31		1		2	1	3	7	2	3	3	4	5	
Clinton.....	293	16	13	19	21	16	13	15	15	14	24	18	19	
Crawford.....	20		1	2		3	3	1	1	5	1	3		
Delta.....	193	6	6	3	15	6	12	7	15	10	6	9	8	
Eaton.....	244	19	18	21	14	19	15	18	15	17	28	31	29	
Emmet.....	83	3	5	6	5	18	8	5	8	9	9	3	4	
Genesee.....	323	27	17	31	20	24	25	25	13	31	48	28	33	1
Gladwin.....	4			1	2	1								
Gr. Traverse.....	78	7	2	4	17	4	6	6	6	4	7	6	8	1
Gratiot.....	298	26	14	11	18	17	15	24	8	20	14	18	23	
Hillsdale.....	377	29	37	33	21	19	26	23	23	35	54	43	34	
Houghton.....	221	19	11	16	19	18	16	21	21	23	23	18	16	
Huron.....	155	10	10	15	18	12	16	12	6	9	13	18	16	
Ingham.....	284	33	23	22	30	13	21	25	18	32	23	24	20	
Ionia.....	312	20	28	29	27	21	34	24	18	26	35	27	23	
Iosco.....	85	3	2	8	9	7	7	9	8	11	10	5	6	
Isabella.....	126	8	8	10	9	17	7	8	6	15	14	8	16	
Jackson.....	456	40	28	43	35	36	24	21	30	42	46	49	62	

TABLE 33.—CONTINUED.—*Marriages, by Counties, by Months.*

COUNTIES.	Year, 1883.	MONTHS, 1883.												Un.
		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	
Kalamazoo...	288	31	34	24	24	27	15	23	21	18	30	22	19	...
Kalkaska...	21	1	2	.....	2	2	3	3	1	2	3	2	.....	...
Kent.....	881	90	61	57	103	93	78	69	57	72	86	86	29	...
Keweenaw...	31	1	3	1	2	2	6	2	4	4	4	2	.....	...
Lake.....	33	.....	4	4	1	3	4	1	2	3	4	4	3	...
Lapeer.....	262	20	22	27	23	15	27	16	16	30	21	27	18	...
Leelanaw...	48	3	1	2	5	2	1	8	3	7	10	2	4	...
Lenawee.....	475	40	34	41	34	44	33	24	28	41	50	60	46	...
Livingston...	156	12	10	12	16	15	9	14	8	10	12	21	17	...
Mackinac.....	34	5	1	3	2	5	4	5	3	1	2	1	2	...
Macomb.....	252	27	16	24	22	17	10	17	12	17	33	29	28	...
Manistee.....	270	21	11	8	27	18	15	17	26	28	40	38	21	...
Manitou.....	3	.....	.....	.....	.....	1	.....	1	.....	.....	1	.....	.....	...
Marquette...	267	34	14	10	17	27	25	28	24	21	23	27	17	...
Mason.....	144	7	12	7	11	15	10	21	11	7	15	13	15	...
Mecosta.....	231	13	16	18	15	19	12	25	21	19	20	24	29	...
Menominee...	161	18	6	16	4	12	10	18	17	16	10	15	19	...
Midland.....	88	5	5	12	4	6	5	9	9	6	5	9	13	...
Missaukee...	12	.....	2	2	.....	2	.....	3	.....	1	1	1	.....	...
Monroe.....	387	38	24	23	34	30	26	25	27	33	45	49	33	...
Montcalm...	356	23	27	32	39	18	27	37	20	27	39	29	38	...
Montmorency..	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	...
Muskegon...	387	25	22	29	38	21	34	42	35	34	35	37	35	...
Newaygo.....	173	12	10	15	11	13	12	17	2	23	20	22	16	...
Oakland.....	315	30	34	32	31	24	18	12	18	24	30	25	34	3
Oceana.....	129	5	9	5	9	12	16	10	7	9	15	15	17	...
Ogemaw.....	21	2	.....	5	4	.....	1	2	2	1	.....	2	2	...
Ontonagon...	17	.....	.....	.....	.....	.....	2	.....	1	2	6	4	2	...
Osceola.....	142	9	8	16	18	11	15	16	5	15	13	8	8	...
Oscoda.....	13	1	1	1	1	1	1	1	.....	1	2	.....	3	...
Otsego.....	23	3	1	2	3	1	.....	2	3	3	3	.....	2	...
Ottawa.....	350	15	28	27	37	27	25	28	24	31	26	40	42	...
Presque Isle	21	4	2	2	4	.....	1	1	2	2	2	.....	1	...
Roscommon...	17	4	2	.....	.....	.....	1	1	3	2	.....	1	3	...
Saginaw.....	629	42	35	37	60	68	64	65	49	51	67	55	36	...
Sanilac.....	190	10	5	13	21	21	19	12	12	19	19	16	23	...
Schoolcraft..	25	.....	.....	.....	.....	1	1	7	2	5	2	5	2	...

TABLE 33.—CONTINUED.—*Marriages by Counties, by Months.*

COUNTIES.	Year, 1883.	MONTHS, 1883.												
		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Un.
Shiawassee..	223	21	20	20	13	12	19	15	13	16	30	21	23	----
St. Clair.....	377	51	21	16	37	20	25	34	30	28	47	39	29	----
St. Joseph.....	339	23	30	34	24	21	23	23	19	35	29	47	32	----
Tuscola.....	241	19	11	36	21	21	15	18	19	19	20	19	23	----
Van Buren....	281	18	21	17	27	31	27	19	26	30	18	22	25	----
Washtenaw..	333	30	19	39	34	32	21	11	21	31	39	20	27	----
Wayne.....	1,561	138	101	99	132	120	141	109	105	171	180	161	124	----
Wexford.....	75	-----	1	-----	1	2	4	15	10	11	7	9	15	----

COLOR OF PERSONS MARRIED.

Table 34 shows the marriage-rate in 1883 to be greatest among the Whites, and least among the Indians. For a number of years the marriage-rate has been smaller among the Indians than among any other race included in the table, and by turning to the tables in births, it will be seen that the illegitimate birth-rate was greatest among the Indians. As these marriage-rates are computed from the population of Michigan in 1880 with the marriages in 1883, due allowance must be made for the increase in population.

Table 35 shows the number of marriages in each county in the State in 1883, and also the color of the persons married.

TABLE 34.—*Exhibiting, by Color and by Sex, the Number of Marriages, and the Per Cent of Persons Married in 1883 to Population in 1880.*

COLOR,—1883.	Sex.	Population, June 1, 1880, Represent- ed by Marriages in 1883.	Number of Marriages, 1883.	PERSONS MARRIED, 1883.		Per Cent of Persons Married in 1883 to Popula- tion June 1, 1880, by Sex and Color.	Number of Persons who Married those of another Color.
				Number.	Per Cent. of Total.		
All Colors.....	Total....	* 1,636,883	16,420	32,840	100.00	2.01	44
	Males....	862,324	-----	16,420	50.00	1.90	22
	Females.	774,558	-----	16,420	50.00	2.13	22
White.....	Total....	1,614,505	16,252	32,510	90.00	2.01	18
	Males....	850,765	-----	16,252	98.98	1.91	6
	Females	763,740	-----	16,258	90.01	2.13	12
Black.....	Total....	-----	68	133	.40	-----	6
	Males....	-----	-----	68	.41	-----	5
	Females.	-----	-----	64	.39	-----	1
Mulatto.....	Total....	-----	46	89	.27	-----	9
	Males....	-----	-----	46	.28	-----	6
	Females.	-----	-----	43	.26	-----	3
Indian.....	Total....	7,249	41	83	.25	-----	11
	Males....	3,696	-----	41	.25	1.14	5
	Females	3,553	-----	42	.26	1.11	6
One or Both Unknown ..	Total....	-----	13	26	.08	1.18	-----
	Males....	-----	-----	13	.08	-----	-----
	Females.	-----	-----	13	.08	-----	-----
Black and Mulatto	Total....	15,100	114	221	.67	1.46	15
	Males....	7,835	-----	114	.69	1.46	11
	Females	7,265	-----	107	.65	1.84	4

* Includes 28 Asiatics.

MARRIAGES—COLOR OF PERSONS MARRIED.

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TABLE 35.—*Exhibiting for the State and Counties, the Number of Marriages returned for the Year 1883, and the Color of Persons Married in 1883, stated by Couples.*

STATE AND COUNTIES.	Marriages, 1883.	COLOR OF PERSONS MARRIED, 1883, STATED BY COUPLES.						
		White.	Black.	Mu- latto.	Indian.	Female Un- known, Male White.	Male Un- known, Female White.	Both Unk.
State.....	16,420	a 16,252	b 68	c 46	d 41	.....	.....	13
Alcona.....	32	32	.....	.....	.....	.....	.....	.....
Allegan.....	384	382	1	.....	1	.....	.....	.....
Alpena.....	148	148	.....	.....	.....	.....	.....	.....
Antrim.....	75	75	.....	.....	.....	.....	.....	.....
Arenac.....	14	13	.....	.....	e 1	.....	.....	.....
Baraga.....	10	10	.....	.....	.....	.....	.....	.....
Barry.....	207	207	.....	.....	.....	.....	.....	.....
Bay.....	352	349	2	1	.....	.....	.....	.....
Benzie.....	31	31	.....	.....	.....	.....	.....	.....
Berrien.....	554	551	1	.....	f 2	.....	.....	.....
Branch.....	292	292	.....	.....	.....	.....	.....	.....
Calhoun.....	328	325	2	1	.....	.....	.....	.....
Cass.....	203	195	2	5	.....	.....	.....	1
Charlevoix.....	68	67	.....	.....	1	.....	.....	.....
Cheboygan.....	89	g 88	.....	.....	1	.....	.....	.....
Chippewa.....	37	h 34	.....	i 1	.....	.....	.....	2
Clare.....	31	31	.....	.....	.....	.....	.....	.....
Clinton.....	203	203	.....	.....	.....	.....	.....	.....
Crawford.....	20	20	.....	.....	.....	.....	.....	.....
Delta.....	103	j 103	.....	.....	.....	.....	.....	.....
Eaton.....	244	243	k 1	.....	.....	.....	.....	.....
Emmet.....	83	l 76	.....	.....	7	.....	.....	.....
Genesee.....	323	317	2	3	.....	.....	.....	.....
Gladwin.....	4	4	.....	.....	.....	.....	.....	.....
Grand Traverse.....	78	73	.....	.....	.....	.....	.....	.....
Gratiot.....	208	208	.....	.....	.....	.....	.....	.....
Hillsdale.....	377	376	1	.....	.....	.....	.....	.....

* Includes 6 couples, male White, female Indian.

† Includes 2 couples, male Black, female White; and 3 couples, male Black, female Mulatto.

‡ Includes 5 couples, male Mulatto, female White; and 1 couple, male Mulatto, female Black.

§ Includes 5 couples, male Indian, female White.

• 1 couple, male Indian, female White.

† 1 couple, male Indian, female White.

‡ 1 couple, male White, female Indian.

§ 1 couple, male White, female Indian.

¶ 1 couple, male Mulatto, female White.

|| 1 couple, male White, female Indian.

¶ 1 couple, male Black, female White.

|| 1 couple, male White, female Indian.

TABLE 35.—CONTINUED.—*Marriages in 1883, by Counties, by Color.*

COUNTIES.	Marriages, 1883.	COLOR OF PERSONS MARRIED 1883, STATED BY COUPLES.						
		White.	Black.	Mu- latto.	Indian.	Female Un- known, Male White.	Male Un- known, Female White.	Both Unk.
Houghton.....	231	221	-----	-----	-----	-----	-----	-----
Huron.....	155	155	-----	-----	-----	-----	-----	-----
Ingham.....	284	281	3	-----	-----	-----	-----	-----
Ionia.....	312	312	-----	-----	-----	-----	-----	-----
Iosco.....	85	84	-----	-----	1	-----	-----	-----
Isabella.....	126	117	-----	-----	9	-----	-----	-----
Jackson.....	456	449	6	1	-----	-----	-----	-----
Kalamazoo.....	288	283	3	2	-----	-----	-----	-----
Kalkaska.....	21	21	-----	-----	-----	-----	-----	-----
Kent.....	881	877	4	-----	-----	-----	-----	-----
Keweenaw.....	31	31	-----	-----	-----	-----	-----	-----
Lake.....	33	33	-----	-----	-----	-----	-----	-----
Lapeer.....	262	262	-----	-----	-----	-----	-----	-----
Leelanaw.....	48	47	-----	-----	1	-----	-----	-----
Lenawee.....	475	472	2	1	-----	-----	-----	-----
Livingston.....	156	156	-----	-----	-----	-----	-----	-----
Mackinac.....	34	34	-----	-----	-----	-----	-----	-----
Macomb.....	252	251	-----	1	-----	-----	-----	-----
Manistee.....	270	270	-----	-----	-----	-----	-----	-----
Manitou.....	3	3	-----	-----	-----	-----	-----	-----
Marquette.....	267	267	-----	-----	-----	-----	-----	-----
Mason.....	144	^a 137	2	^b 1	^c 4	-----	-----	-----
Mecosta.....	231	227	3	1	-----	-----	-----	-----
Menominee.....	161	157	-----	-----	1	-----	-----	3
Midland.....	88	87	^d 1	-----	-----	-----	-----	-----
Missaukee.....	12	12	-----	-----	-----	-----	-----	-----
Monroe.....	387	385	2	-----	-----	-----	-----	-----
Montcalm.....	356	356	-----	-----	-----	-----	-----	-----
Montmorency.....	1	1	-----	-----	-----	-----	-----	-----
Muskegon.....	387	387	-----	-----	-----	-----	-----	-----
Newaygo.....	173	172	-----	-----	^e 1	-----	-----	-----
Oakland.....	315	315	-----	-----	-----	-----	-----	-----
Oceana.....	129	126	-----	-----	3	-----	-----	-----
Ogemaw.....	21	21	-----	-----	-----	-----	-----	-----

^a 1 couple, male White, female Indian.
^b 1 couple, male Mulatto, female Black.
^c 2 couples, male Indian, female White.

^d 1 couple, male Black, female Mulatto.
^e 1 couple, male Indian, female White.

TABLE 35.—CONTINUED.—*Marriages in 1883, by Counties, by Color.*

COUNTIES.	Marriages, 1883.	COLOR OF PERSONS MARRIED, 1883, STATED BY COUPLES.						
		White.	Black.	Mu- latto.	Indian.	Female Un- known, Male White.	Male Un- known, Female White.	Both Unk.
Ontonagon.....	17	17						
Osceola.....	142	142						
Oscoda.....	13	13						
Otsego.....	23	23						
Ottawa.....	350	349			1			
Presque Isle.....	21	21						
Roscommon.....	17	17						
Saginaw.....	629	621	2	3	4			
Sault Ste. Marie.....	180	180		1				
Schoolcraft.....	25	24			1			
Shiawassee.....	223	223						
St. Clair.....	377	377						
St. Joseph.....	339	337	1	1				
Tuscola.....	241	240		1				
Van Buren.....	281	276	2	1	2			
Washtenaw.....	333	318	4	10	6			1
Wayne.....	1,561	1,525	15	15				6
Wexford.....	73	73						

• 1 couple, male White, female Indian.
 • 1 couple, male Mulatto, female White.
 • 1 couple, male Black, female Mulatto.

• 1 couple, male Black, female Mulatto, and 1
 couple, male Black, female White.
 • 2 couples, male Mulatto, female White.

NATIVITY OF PERSONS MARRIED.

In Table 36 may be seen the manner of union of persons married in Michigan, according to the nativity of the parties, for the year 1883. It is shown that 9,391 native-born bridegrooms married native-born brides, 1,421 married foreign-born brides, and 63 married brides of unknown nativity, making a total of 10,874 native-born bridegrooms. Of the native-born brides, 9,391 married native-born grooms, 2,015 married foreign-born grooms, and 25 married grooms of unknown nativity, making a total of 11,431 native-born brides. The number of foreign-born bridegrooms and brides may be obtained in a similar manner.

The table also shows the per cent of the bridegrooms and brides at each nativity. For example, 66.22 per cent of all the bridegrooms in 1883 were native-born, 33 per cent were foreign-born, and .78 per cent were of unknown nativity. The last line of the table shows that 69.62 per cent of all brides in 1883 were native-born, 29.33 per cent were foreign-born, and 1.05 per cent were of unknown nativity. As compared with the former years 1880, 1881, and 1882, the proportion of native-born bridegrooms and brides show

decrease from year to year, while the proportion of foreign-born shows a corresponding increase. The per cent of native-born grooms in 1880 was 70.38; in 1881, 68.12; in 1882, 67.23; and in 1883, 66.22. Of the foreign-born grooms, the per cent in 1880 was 28.44; in 1881, 30.96; in 1882, 32.22; and in 1883, 33. The per cent of native-born brides in 1880 was 75.43; in 1881, 72.30; in 1882, 70.38; and in 1883, 69.62. Of the foreign-born brides, the per cent in 1880 was 22.75; in 1881, 26.20; in 1882, 28.37; and in 1883, 29.33.

TABLE 36.—*By Nativity, the Number and Per Cent of Brides and of Bridegrooms returned as having been Married during the year 1883.*

BRIDEGROOMS AND BRIDES, NATIVITY SPECIFIED.		BRIDES, 1883.			BRIDEGROOMS, 1883.	
		Native-born.	Foreign-born.	Unknown.	Total of each Nativity, and of all Nativities.	Per Cent of each Nativity.
Bridegrooms.	Native-born.....	9,391	1,421	62	10,874	66.22
	Foreign-born.....	2,015	3,382	21	5,418	33.00
	Unknown.....	25	13	90	128	.78
Brides.....	Whole No. of each nativity and total	11,431	4,816	173	16,420	-----
	Per cent of each nativity, and total	69.62	29.33	1.05	-----	100.00

Table 37 contains data concerning the marriage-rate among the native and foreign-born inhabitants for the year 1883, and shows that the rate among the foreign-born was greater than among the native-born. The marriage-rate for the total of all nativities was 1.73 in 1880; 1.81 in 1881; 1.98 in 1882; and 2.01 in 1883, for each 100 inhabitants; thus showing an increase each year. The native marriage-rates for these years were, in 1880, 1.65; in 1881, 1.67; in 1882, 1.79; and 1883, 1.79. The foreign marriage-rates for the same years were, in 1880, 1.86; in 1881, 2.18; in 1882, 2.52; and in 1883, 2.63. These computations are all made upon the basis of the population of 1880. It is well to bear in mind the fact that the native-born inhabitants include the children and youth, persons not of marriageable ages; while the foreign-born persons are principally of older ages.

Table 38 shows the relative proportions of the nativity of persons married for a period of fourteen years, and also the average for these years. It may be noticed that the percentages do not vary much from year to year. It is gratifying to note, however, the decrease in the percentage from unknown nativity.

TABLE 37.—*Exhibiting, by Sex, the Nativity of Persons Married in Michigan in 1883, and the Population in 1880.*

NATIVITY OF PERSONS MARRIED, 1883.	MARRIAGES, 1883.		POPULATION JUNE 1, 1880, REPRESENTED BY MAR- RIAGES IN 1883.			PERSONS MARRIED, 1883.					
	Num- ber.	Per Cent of Total.	Total.	Males.	Fe- males.	Number.			Per Cent of Persons Married in 1883 to Population of same Nativity, June 1, '80.		
						Total.	Males.	Fe- males.	Total.	Males.	Fe- males.
Total.....	16,420	100.00	1,636,882	862,324	774,558	32,940	18,420	16,420	2.01	1.90	2.13
Native-born.....	9,391	57.19	1,248,395	642,913	605,482	22,305	10,974	11,431	1.79	1.90	1.89
Foreign-born.....	3,382	20.60	388,487	219,411	169,076	10,234	5,418	4,816	2.63	2.47	2.85
Foreign Male and Na- tive Female.....	2,015	12.27	-----	-----	-----	-----	-----	-----	-----	-----	-----
Foreign Female and Native Male.....	1,421	8.65	-----	-----	-----	-----	-----	-----	-----	-----	-----
Nativity Unknown..	* 211	1.29	-----	-----	-----	301	129	173	-----	-----	-----
One or Both Native..	12,827	78.12	-----	-----	-----	-----	-----	-----	-----	-----	-----
One or Both Foreign	6,813	41.52	-----	-----	-----	-----	-----	-----	-----	-----	-----

* Includes cases where one or both are unknown.

TABLE 38.—*Marriages according to Nativity—Percentages for 14 Years.*

YEARS.	Both Na- tive-born.	Both For- eign-born.	Native-born Groom and Foreign- born Bride.	Foreign- born Groom and Native-born Bride.	Not Stated.
1870.....	60.63	17.60	7.56	11.32	2.89
1871.....	54.24	19.13	6.32	12.11	2.99
1872.....	60.00	12.06	4.56	11.98	2.06
1873.....	57.34	20.72	6.00	12.45	2.39
1874.....	50.00	19.25	7.20	12.17	2.36
1875.....	61.55	16.00	7.35	12.90	2.14
1876.....	62.64	15.02	7.01	12.36	2.37
1877.....	62.23	14.31	7.30	12.06	2.13
1878.....	62.82	12.00	7.72	12.00	2.39
1879.....	64.15	12.74	7.00	12.34	2.11
1880.....	62.55	12.30	7.00	12.08	2.13
1881.....	59.26	12.10	6.20	12.75	1.77
1882.....	54.25	19.85	6.72	12.65	1.66
1883.....	55.10	18.08	6.05	12.55	1.89
Average.....	61.00	14.00	7.00	12.00	2.00

AGES OF PERSONS MARRIED.

In Table 39 may be studied by nativity the average age at marriage of the bridegrooms and brides in Michigan for the years 1880-1883, and the average for ten years 1874-1883. The average age for the foreign-born is seen to be older than for the native, not only for each year in the table, but also for the average. Twenty-eight years for the males, and 23 years for the females seems to be about the average ages for marriage in this State.

TABLE 39.—*By Nativity, the Average Age of Persons Married in Michigan in 1880-1883, and the Average for Ten Years 1874-1883.*

NATIVITY OF PERSONS MARRIED.	1880.		1881.		1882.		1883.		Av. for 10 Yrs., 1874-1883.	
	Males.	Fe- males.	Males.	Fe- males.	Males.	Fe- males.	Males.	Fe- males.	Males.	Fe- males.
All Nativities..	28.08	23.20	28.09	23.20	28.17	23.39	28.25	23.36	28.10	22.93
Native	27.59	22.82	27.49	22.83	27.69	23.01	27.82	22.90	27.62	22.71
Foreign.....	29.29	24.42	29.33	24.20	29.17	24.32	29.09	24.40	29.26	24.40
Unknown.....	28.31	23.37	31.43	23.83	28.70	23.85	29.21	24.52	28.60	23.57

Table 40 shows the number and proportion of males and females married at each period of age in Michigan in 1883. The proportion of males married under 20 years of age does not vary much from year to year, being 2.86 per cent in 1878 and 2.10 per cent in 1883, but the proportion of females married under 20 has gradually lessened without an interruption, from 38.89 per cent in 1876 to 32.90 per cent in 1882. In 1883, however, the percentage increased again to 33.72.

The proportion of males between twenty and twenty-five does not change much, remaining at about 40 per cent of the whole number of males married. For the year 1883, as may be seen, it was 39.84 per cent, and for the year 1876 it was 40.61. In the class of females married at this period of age there has been a gradual increase from 35.68 per cent in 1876, to 39.08 in 1883.

Over 70 per cent of all the males married in Michigan in 1883 were between the ages of 20 and 30 years, and over 52 per cent of all the females were married between the same ages. Between the ages of 21 and 25 years the proportion of the sexes was more nearly equal than at any other period.

TABLE 40.—*Exhibiting, by Sex and by Periods of Age, the Number and Per Cent of Persons Married during the Year 1883.*

MARRIAGES, 1883.							
AGES IN YEARS AND PERIODS.	Total Number of Persons Married, 1883.	MALES.			FEMALES.		
		Number Married.	Per Cent of Total Marriages.	Per Cent of Persons Married at Correspond- ing Ages.	Number Married.	Per Cent of Total Marriages.	Per Cent of Persons Married at Correspond- ing Ages.
All Ages.....	32,840	16,420	100.00	50.00	16,420	100.00	50.00
13.....	5				5	.03	100.00
14.....	28				28	.17	100.00
15.....	102				102	.62	100.00
16.....	916	1	.01	.11	915	5.57	99.89
17.....	1,225	6	.04	.49	1,219	7.42	99.51
18.....	1,753	75	.46	4.28	1,678	10.22	95.72
19.....	1,862	262	1.60	14.07	1,600	9.75	85.93
20.....	2,200	629	3.83	28.50	1,571	9.57	71.41
21 to 25.....	10,758	5,912	30.00	54.95	4,846	29.51	45.05
25 to 30.....	7,294	5,099	31.05	69.91	2,195	13.37	30.09
30 to 35.....	2,632	1,831	11.15	69.57	801	4.88	30.43
35 to 40.....	1,459	944	5.75	64.70	515	3.14	35.30
40 to 45.....	807	503	3.06	62.33	304	1.85	37.67
45 to 50.....	577	344	2.09	59.62	233	1.42	40.38
50 to 55.....	390	258	1.57	66.15	132	.80	33.85
55 to 60.....	280	178	1.08	63.57	102	.62	36.43
60 to 65.....	203	154	.94	74.04	54	.33	25.96
65 to 70.....	121	93	.57	76.86	28	.17	23.14
70 to 75.....	58	50	.30	86.21	8	.05	13.79
75 to 80.....	19	19	.12	100.00			
80 and over.....	3	3	.02	100.00			
Unknown ages.....	143	59	.36	41.26	84	.51	58.74
Under 15.....	33				33	.20	100.00
15 to 20.....	5,858	344	2.10	5.87	5,514	33.52	94.13
20 to 25.....	12,958	6,511	39.84	50.48	6,417	39.08	49.52

VITAL STATISTICS OF MICHIGAN, 1883.

TABLE 41.—*Exhibiting, for the State and Counties, by Sex, the Nativity and Age in Periods of Years, of Persons Married in Michigan during the Year 1883.*

STATE AND COUNTIES.		Number of Couples Married, 1883.	NATIVITY OF PERSONS MARRIED, 1883, STATED BY COUPLES.										SEX STATED.	MARRIAGES AT DIFFERENT AGES, STATED IN PERIODS OF YEARS, 1883.														
			Both Native-born.		For eign Na- tive Fe- males.		FEMALES USKOWN.		MALES USKOWN.		Both Unknown.			Un- der 20.	20 to 25.	25 to 30.	30. 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
					For eign Na- tive Fe- males.	For eign Na- tive Fe- males.	Na- tive. eign.	For eign Na- tive. eign.																				
STATE	16,420	9,391	3,382	2,015	1,421	62	21	25	13	90	Total.....	5,891	12,528	20	25	80	35	40	45	50	55	60	65	70	75	80 and over.	Unknown.	
											Males.....	3,344	6,541		7,294	2,632	1,459	807	577	390	280	208	121	58	19	3	143	
											Females.....	5,947	6,417		5,234	1,831	944	503	344	258	178	134	92	50	19	3	80	
																801	515	304	233	132	102	54	28	8			84	
Alcona	32	9	11	7	5						Males.....	.....	14	11	1	1	2	1	1	1	1							
											Females.....	13	12	3	1	2												
Allegan	384	287	40	35	21			1			Males.....	9	172	115	37	16	9	8	8	2	4	3	1					
											Females.....	142	154	49	12	8	3	2	9	2	2							
Alpena	148	18	81	26	23						Males.....	4	55	55	19	6	4	1	1	1	1							
											Females.....	51	57	25	8	4	2											
Antrim	75	39	14	11	10				1		Males.....	1	30	23	9	6	2	2			1							
											Females.....	33	27	8	3	1												
Arenac	14	3	3	2	5					1	Males.....	.....	3	3	6	1												
											Females.....	5	6	1	1													
Baraga	10	1	6	2	1						Males.....	.....	2	6	.....	1	1											
											Females.....	1	9	.....	.....	.....									
Barry	207	178	4	14	8	1	1		1		Males.....	3	91	63	18	8	8	2	3	2	4	6	1					
											Females.....	83	80	20	7	3	2	1	1									
Bay	352	103	140	60	49						Males.....	6	146	115	43	20	12	3	4	2								
											Females.....	131	153	42	9	5	5	2	1	1	1							
Benzie	31	18	3	8	2						Males.....	.....	10	5	6	3	3	1	2									
											Females.....	12	7	3	2	2	1											
Berrien	551	425	44	50	22	3		1			Males.....	7	235	160	50	35	19	17	9	5	3	2	1					
											Females.....	191	212	75	31	20	11	2	4	8								
Branch	292	262	7	13	8	2					Males.....	9	114	80	24	22	7	5	8	5	2	1						
											Females.....	103	108	30	18	9	6	6										

Calhoun.....	528	204	8	23	22	1	1	4	Males... Females...	61 102	131 122	83 51	44 18	19 13	14 8	10 6	3 2	6 2	31 2	5 1	1 2	1 1
Canan.....	203	180	5	11	7	.....	.....	.....	Males... Females...	2 76	103 90	49 19	22 10	22 6	6 5	3 1	3 1	3 1	1 1	.....	.....	.....
Charlevoix...	68	33	9	14	12	.....	.....	.....	Males... Females...	..... 33	25 14	21 11	8 4	8 3	3 2	.....	.....	.....	.....	.....	.....	.....
Cheboygan...	89	17	32	24	11	1	1	2	Males... Females...	2 38	34 27	31 12	7 5	11 5	1 1	1 1	.....	.....	.....	.....	.....	.....
Chippewa...	37	6	19	5	6	.....	.....	1	Males... Females...	1 12	14 12	12 4	2 3	2 3	1 1	1 1	.....	.....	.....	.....	.....	.....
Clare.....	31	15	3	5	8	.....	.....	.....	Males... Females...	..... 13	12 10	14 4	2 1	1 2	.....	.....	.....	.....	.....	.....	.....	.....
Clinton.....	203	172	5	13	7	.....	.....	1	Males... Females...	5 74	84 65	54 24	27 15	9 7	7 5	3 1	3 4	3 1	1 2	6 1	.....	.....
Crawford...	20	12	4	2	.....	.....	.....	1	Males... Females...	..... 12	10 6	6 2	3 2	1.....	.....	.....	.....	.....	.....	.....	.....	.....
Delta.....	103	17	58	17	11	.....	.....	.....	Males... Females...	1 29	28 45	41 19	18 2	8 4	3 1	1 1	.....	.....	.....	.....	.....	.....
Eaton.....	244	214	7	7	15	.....	.....	1	Males... Females...	10 98	100 82	66 30	24 6	9 9	14 8	5 6	5 2	2 2	4 1	.....	.....	.....
Emmet.....	83	47	12	8	11	.....	.....	1	Males... Females...	5 30	28 28	29 8	8 9	2 3	4 2	.....	.....	.....	.....	.....	.....	.....
Genesee.....	323	233	21	36	29	.....	.....	.....	Males... Females...	5 112	128 133	104 40	38 12	20 9	8 7	7 2	3 3	3 1	4 2	.....	.....	.....
Gladwin.....	4	4	.....	.....	.....	.....	.....	.....	Males... Females...	..... 1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Gr. Traverse	78	38	16	11	11	.....	.....	.....	Males... Females...	2 26	33 28	27 10	4 2	6 6	2 2	3 1	1 1	.....	.....	.....	.....	.....
Gratiot.....	208	172	3	16	16	.....	.....	.....	Males... Females...	15 113	95 57	54 12	23 9	3 6	3 2	6 4	4 2	1 1	1 1	.....	.....	.....
Hillsdale....	377	346	3	15	10	.....	.....	1	Males... Females...	11 150	167 136	94 42	34 17	19 12	10 9	11 10	4 6	3 5	.....	.....	.....	.....
Houghton...	221	31	146	26	15	.....	.....	1	Males... Females...	7 59	91 104	68 38	29 7	16 4	3 1	4 4	2 1	1 1	.....	.....	.....	.....
Huron.....	155	36	69	26	22	.....	.....	1	Males... Females...	1 63	52 53	57 20	20 6	11 4	3 2	4 7	5 1	.....	.....	.....	.....	.....

Livingston.....	156	128	7	13	8			Males..... Females....	5 61	63 66	47 21	16 5	10 3	3 3	2 2	3 1	4 1	1 1	1 2
Mackinac....	34	12	13	7	2			Males..... Females....	1 13	10 9	0 3	6 6	5 1	2 2	1 1				
Masomb.....	252	148	39	39	25		1	Males..... Females....	3 76	104 123	91 28	19 5	11 7	5 4	2 2	6 3	1 3		
Manistee....	270	57	155	30	27	1		Males..... Females....	1 90	85 105	100 39	41 13	24 12	13 5	2 2	2 1			
Manitou	3	3						Males..... Females....	1 1	1 2	1 1								
Marquette..	267	39	176	33	19			Males..... Females....	3 95	166 101	107 53	34 15	11 2	3 1	3 1				
Mason	144	68	53	12	10			Males..... Females....	3 47	51 49	42 17	18 7	11 12	7 6	4 2	3 1	2 2		3 3
Mecosta.....	231	102	62	32	34	1		Males..... Females....	1 72	90 94	75 30	35 14	10 7	7 4	4 2	3 1	2 1		
Menominee..	161	30	98	22	9	1		Males..... Females....	2 43	63 69	54 23	16 14	5 6	5 2	2 1	1 1			
Midland.....	88	48	9	12	19			Males..... Females....	5 46	35 19	18 10	9 3	6 2	4 2	2 4	3 1	2 1		
Missaukee..	12	2	6	4				Males..... Females....	3 4	3 4	3 1	2 2	2 1	2 1	1 1			1 2	2 2
Monroe.....	387	220	30	39	19	3	1	Males..... Females....	12 120	171 150	108 57	35 20	12 14	20 10	5 6	5 4	2 1	3 1	
Montcalm...	356	229	50	40	32	2		Males..... Females....	10 156	144 114	100 36	55 16	15 12	10 7	5 3	5 4	2 5	1 1	
Montmore'y	1			1				Males..... Females....	1 1		1								
Muskegon...	387	134	159	50	41		2	Males..... Females....	4 128	144 135	144 76	46 22	23 9	7 7	6 1	3 4	3 3	1 2	
Newaygo....	173	121	23	14	14			Males..... Females....	7 83	61 55	48 11	29 9	8 5	4 3	4 3	3 5			
Oakland.....	315	233	14	34	24	1	2	Males..... Females....	2 83	122 138	101 35	20 10	22 12	11 6	4 8	6 1	2 1	4 3	13 15
Ocean.....	129	72	15	24	18			Males..... Females....	3 53	54 42	28 9	22 6	9 9	1 2	2 3	1 1	4 1		

TABLE 41.—CONTINUED.—Marriages by Counties, Nativity, and Periods of Age.

COUNTIES.	Number of Couples Married, 1883.	NATIVITY OF PERSONS MARRIED, 1883, STATED BY COUPLES.										MARRIAGES AT DIFFERENT AGES, STATED IN PERIODS OF YEARS, 1883.														Unknown.
		Both Na- tive born.	Both Foreign- born.	For- eign Na- tive Fe- males.	FEMALES UNKNOWN.		MALES UNKNOWN.		Both Unknown.	SEX STATED.	Un- der 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.		
					Na- tive.	For- eign.	Na- tive.	For- eign.																		
Ogemaw.....	21	10	3	6	2	.....	.....	.....	.....	Males.....	12	2	4	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Ontonagon..	17	7	6	4	.....	.....	.....	.....	.....	Males.....	11	2	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Osceola.....	142	62	43	18	17	.....	.....	.....	.....	Males.....	4	59	45	14	6	5	.....	.....	.....	.....	.....	.....	.....	.....	.....
Oscoda.....	13	7	1	2	2	.....	.....	.....	.....	Males.....	55	48	21	10	4	2	1	.....	.....	.....	.....	.....	.....	.....	.....
Otsego.....	23	12	1	4	4	.....	.....	.....	.....	Males.....	1	3	4	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Ottawa.....	350	135	127	48	36	.....	.....	.....	.....	Males.....	5	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Presque Isle	21	1	14	3	3	.....	.....	.....	.....	Males.....	8	131	107	31	16	15	12	8	5	6	4	.....	.....	.....	.....
Roscommon.	17	10	2	2	3	.....	.....	.....	.....	Males.....	114	132	46	16	8	5	9	5	6	2	1	.....	.....	.....	.....
Saginaw.....	629	240	192	114	75	.....	.....	.....	.....	Males.....	7	4	10	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sanilac.....	190	40	67	53	29	.....	.....	.....	.....	Males.....	2	5	6	3	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Schoolcraft.	25	10	10	3	2	.....	.....	.....	.....	Males.....	9	5	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Shiawassee..	223	160	14	28	16	.....	.....	.....	.....	Males.....	8	234	211	72	56	19	12	3	6	2	3	.....	.....	.....	.....
St. Clair.....	377	134	123	67	49	Males.....	201	249	97	36	21	4	12	6	1	

MARRIAGES—BY COUNTIES, NATIVITY, SEX, AND AGE.

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[illegible]

PERSONS MARRIED UNDER TWENTY-ONE YEARS OF AGE.

In 1883 there were 8,091 persons married under 21 years of age in Michigan, of whom 973 were males and 7,118 were females. This is a larger number than appears for any preceding year, and is more by 179 than was returned for 1882. The average annual number for the ten years 1873-1882 was 6,649 for the total; 838 for the males, and 5,811 for the females. There has been, with a few exceptions, a gradual increase each year in the number of persons married under twenty-one years of age.

The following tabular exhibit shows, for the years 1876-1883, the percentage of all married under twenty-one to the whole number married, the percentage of males married under twenty-one to the whole number of males married at all ages, and the percentage of females married under twenty-one to the whole number of females married at all ages.

YEARS.	Total.	Males.	Females.
1876.....	28.19	7.49	48.89
1877.....	27.70	6.80	48.60
1878.....	28.21	7.40	49.01
1879.....	26.88	6.74	47.01
1880.....	26.10	6.40	45.80
1881.....	25.14	6.30	43.98
1882.....	24.45	6.23	42.68
1883.....	24.64	5.93	43.35
Average.....	26.41	6.66	46.17

Seven males and 135 females were returned in 1883 as having been married under the legal age. Only males who have attained the full age of 18 years, and females the full age of 16 years, are capable in law of contracting marriage; but in 1883 six males were married at the age of 17, and one at the age of 16; 102 females were married at the age of 15, 28 at the age of 14, and 5 at the age of 13. These marriages of females at the age of 13 were returned from the counties of Hillsdale, Kent, Mason, Newaygo, and Washtenaw. The penalty for solemnizing such marriages is a fine of five hundred dollars, and of spending a year in the county jail.

MANNER OF UNION BY AGES.

The last column and the bottom line of Table 42 show the proportion of grooms and brides married at each period of age during the year 1883. To those not familiar with the plan of the table it may be explained, as follows: The 344 males who were married under twenty years of age, as shown in the column next to the last, married 263 females aged under 20 years, 73 aged 20 to 25 years, 4 aged 25 to 30 years, 3 aged 30 to 35 years, and one whose age was not returned, and so for each number in the column headed "Total Males."

The 5,547 females who were married under 20 years of age, as shown in the second line from the bottom, married 263 males under 20 years of age, 3,278 aged 20 to 25 years, 1,529 aged 25 to 30 years, 334 aged 30 to 35 years, 92 aged 35 to 40 years, etc. Thus for each number on the line of "Total Females."

The period in which the greatest number of marriages of males occurred was that of 20 to 25, the number of marriages being 6,541, or 39.83 per cent of the total number at all ages. The greatest number of marriages of females was in the same period, the number being 6,417, or 39.08 per cent. In the average for ten years 1873-1882, the proportion of males married at 20 to 25 was 40.80 per cent, and for females 37.47 per cent for those aged 20 to 25, and 36.47 per cent for those aged under 20 years.

TABLE 42.—*Exhibiting the Number of Each Sex at each Period of Age Married in Michigan during the Year 1883; and the Per Cent of Brides and of Bridegrooms at each Period of Age to Total at all Ages.*

AGES OF MALES, 1883.	AGES OF FEMALES, 1883.															Total Males.	Per Cent of Grooms at each Age.
	Un- der 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unk.		
Under 20....	263	73	4	3	—	—	—	—	—	—	—	—	—	—	1	344	2.10
20 to 25....	3,278	2,823	377	37	14	1	2	—	—	—	—	—	—	—	7	6,541	39.83
25 to 30....	1,529	2,404	953	146	39	13	2	2	1	—	—	—	—	—	10	5,099	31.05
30 to 35....	334	720	446	227	67	28	4	—	1	—	—	—	—	—	4	1,831	11.15
35 to 40....	92	240	240	169	140	43	15	2	—	—	—	—	—	—	3	944	5.75
40 to 45....	26	100	90	105	91	58	19	11	1	1	—	—	—	—	1	503	3.06
45 to 50....	11	33	59	56	78	49	48	13	6	—	—	—	—	—	—	344	2.10
50 to 55....	6	11	20	28	44	46	43	37	12	7	—	—	—	—	4	258	1.57
55 to 60....	2	6	7	12	25	27	46	20	21	9	1	1	—	—	1	178	1.03
60 to 65....	1	3	6	13	10	28	29	24	23	11	6	—	—	—	—	154	.94
65 to 70....	—	—	2	4	6	5	14	14	23	14	9	2	—	—	—	93	.57
70 to 75....	—	—	—	—	1	5	9	8	9	8	7	3	—	—	—	50	.30
75 to 80....	1	—	—	1	—	1	1	1	5	4	4	1	—	—	—	19	.12
80 and over	—	—	—	—	—	—	1	—	—	—	1	1	—	—	—	3	.02
Unknown..	4	2	—	—	—	—	—	—	—	—	—	—	—	—	53	59	.36
Total Fe- males. }	5,547	6,417	2,195	801	515	304	233	132	102	54	28	8	—	—	84	16,420	—
Per Ct. of Brides at each age. }	33.78	39.08	13.37	4.88	3.14	1.85	1.42	.80	.62	.33	.17	.05	—	—	.51	—	100.00

DISPARITY OF AGE.

Some curious and remarkable marriages in regard to the age of the parties, were returned for the year 1883. Among such marriages may be mentioned a groom of 63 to a bride of 21, which occurred in Calhoun county. In Lenawee county there was a marriage of a groom of 68 to a bride of 27, and in Van Buren county a groom of 56 took a bride of 18. The other extreme, where the groom takes a bride many years older than himself, was also well represented. The greatest disparity of these cases appears for Monroe county, the groom being only 26 years of age, whereas the bride was 55 years of age,—the bride being 29 years of age when her husband was born. It is often quite

interesting to note the disparity of ages between parties uniting in marriage. Of course we can only mention a few cases here, but those who have the curiosity to examine into such matters will be amply repaid by reference to Table 42.

COUNTY MARRIAGE-RATES.

The marriage-rates, according to population, for each county in the State, may be seen in Table 43.

TABLE 43.—*Exhibiting, by Counties, the Number of Marriages in Michigan for the Years 1881, 1882, and 1883; the Number as first returned, and the Number returned since Compilation, for the Years 1881 and 1882; the Number of Inhabitants in 1880; and the Per Cent of Marriages in 1883 to Inhabitants in 1880.*

STATE AND COUNTIES.	MARRIAGES.						Population, 1880, Represented by Marriages in 1883.	Number of Inhabitants in 1880 to one Marriage in 1883.	Per Cent of Marriages in 1883 to Population in 1880.	
	1881.			1882.						1883.
	Number as first Re- turned and Com- pleted.	Number Re- turned since first Com- pletion.	Number Re- turned previous to Dec. 22, 1884.	Number as first Re- turned and Com- pleted.	Number Re- turned since first Com- pletion.	Number Re- turned previous to Dec. 22, 1884.				Number Re- turned.
STATE	14,847	991	15,838	16,178	530	16,708	16,420	1,636,882	100	1.00
Alcona.....	14	3	17	22	.....	22	32	3,107	97	1.03
Allegan.....	372	18	390	397	.....	397	584	37,815	98	1.02
Alpena.....	100	2	102	113	2	115	148	8,789	59	1.68
Antrim.....	36	.....	36	62	.....	62	75	5,237	70	1.43
Arenac.....	.....	.....	.....	.....	.....	.....	14	.....	.....	.....
Baraga.....	16	.....	16	12	5	17	10	1,804	180	.50
Barry.....	199	1	200	199	1	200	207	25,317	122	.82
Bay.....	302	39	341	336	17	353	352	38,081	108	.92
Benzle.....	43	.....	43	31	.....	31	31	3,433	111	.90
Berrien.....	562	8	570	546	24	570	554	36,785	67	1.51
Branch.....	251	61	312	321	2	323	292	27,941	96	1.05
Calhoun.....	329	11	340	341	5	346	328	38,452	117	.85
Cass.....	251	6	257	189	5	194	203	22,009	108	.92
Charlevoix.....	54	.....	54	72	.....	72	68	5,115	75	1.33
Cheboygan.....	73	.....	73	50	20	70	89	6,524	73	1.36
Chippewa.....	52	.....	52	49	.....	49	37	5,248	142	.71
Clare.....	42	.....	42	50	1	51	31	4,187	135	.74
Clinton.....	236	.....	236	201	.....	201	203	28,100	138	.72
Crawford.....	11	.....	11	14	.....	14	20	1,159	58	1.73
Delta.....	72	.....	72	96	4	100	103	6,812	66	1.51

TABLE 43.—CONTINUED.—*Marriages Corrected by Counties.*

COUNTIES.	MARRIAGES.							Population, 1880, Represented by Marriages in 1883.	Number of Inhabitants in 1880 to one Marriage in 1883.	Per Cent of Marriages in 1883 to Population in 1880.
	1881.			1882.			1883.			
	Number as first Returned and Com- piled.	Number Re- turned since first Compliation.	Number Re- turned previ- ous to Dec. 22, 1884.	Number as first Returned and Com- piled.	Number Re- turned since first Compliation.	Number Re- turned previ- ous to Dec. 22, 1884.	Number Re- turned.			
Eaton	240	19	259	246	1	247	244	31,225	128	.78
Emmet	64	-----	64	78	-----	78	83	6,639	80	1.25
Genesee	329	20	349	346	9	355	323	39,220	121	.82
Gladwin	4	-----	4	6	-----	6	4	1,127	282	.36
Grand Traverse	59	19	78	88	5	93	78	8,422	108	.93
Gratiot	197	1	198	213	-----	213	208	21,936	105	.95
Hillsdale	346	15	361	413	6	419	377	32,723	87	1.15
Houghton	196	-----	196	218	-----	218	221	22,473	102	.98
Huron	134	1	135	114	-----	114	155	20,089	130	.77
Ingham	294	10	304	313	16	329	284	33,676	119	.84
Ionia	298	17	315	275	4	279	312	33,872	109	.92
Iosco	110	-----	110	71	-----	71	85	6,873	81	1.24
Isabella	99	1	100	96	-----	96	126	12,159	97	1.04
Jackson	421	41	462	364	40	404	456	42,031	92	1.08
Kalamazoo	276	69	345	297	56	353	288	34,342	119	.84
Kalkaska	31	2	33	32	4	36	21	2,937	140	.72
Kent	646	169	815	922	17	939	881	73,253	83	1.20
Keweenaw	31	1	32	28	-----	28	31	4,270	138	.73
Lake	21	-----	21	37	-----	37	33	3,233	98	1.02
Lapeer	249	17	266	227	7	234	262	30,138	115	.87
Leelanaw	46	1	47	43	-----	43	48	6,253	130	.77
Lenawee	509	5	514	504	46	550	475	48,343	102	.98
Livingston	166	1	167	175	-----	175	156	22,251	143	.70
Mackinac	38	-----	38	25	-----	25	34	2,902	85	1.17
Macomb	241	15	256	248	-----	248	252	31,627	125	.80
Manistee	113	4	117	196	-----	196	270	12,532	47	2.15
Manitou	6	-----	6	7	-----	7	3	1,334	445	.22
Marquette	205	41	246	315	10	325	267	25,394	95	1.05
Mason	101	-----	101	111	-----	111	144	10,065	70	1.43
Mecosta	143	23	166	192	31	223	231	13,973	60	1.65
Menominee	158	-----	158	189	-----	189	161	11,987	74	1.34
Midland	59	-----	59	55	2	57	88	6,893	78	1.28
Missaukee	8	-----	8	15	-----	15	12	1,553	129	.77

TABLE 43.—CONTINUED.—*Marriages Corrected by Counties.*

COUNTIES.	MARRIAGES.							Population, 1880, Represented by Marriages in 1883.	Number of Inhabitants in 1880 to one Marriage in 1883.	Per Cent of Marriages in 1883 to Population in 1880.
	1881.			1882.			1883.			
	Number as first Returned and Completed.	Number Returned since first Completion.	Number Returned previous to Dec. 22, 1884.	Number as first Returned and Completed.	Number Returned since first Completion.	Number Returned previous to Dec. 22, 1884.					Number Returned.
Monroe	345	5	350	349	18	367	387	33,624	87	1.15
Montcalm.....	236	42	278	346	.....	346	356	33,148	93	1.07
Montmorency	1	.....	1	3	11	14	1	.....	.....	.....
Muskegon	324	6	330	370	.....	370	387	26,586	69	1.46
Newaygo	112	.....	112	138	.....	138	173	14,688	85	1.18
Oakland.....	307	17	324	309	14	323	315	41,537	132	.76
Oceana.....	97	.....	97	106	.....	106	129	11,699	91	1.10
Ogemaw.....	14	.....	14	13	.....	13	21	1,914	91	1.10
Ontonagon.....	15	.....	15	17	.....	17	17	2,565	151	.66
Osceola	125	13	138	145	5	150	142	10,777	76	1.32
Oscoda.....	3	.....	3	6	.....	6	13	467	36	2.78
Otsego.....	20	.....	20	25	1	26	23	1,974	86	1.16
Ottawa.....	317	5	322	373	.....	373	350	33,126	95	1.06
Presque Isle.....	33	.....	33	31	.....	31	21	3,113	148	.67
Roscommon.....	13	.....	13	8	.....	8	17	1,459	85	1.17
Saginaw.....	570	14	584	604	19	623	629	59,095	96	1.06
Sanilac.....	125	1	126	201	11	212	190	26,341	139	.72
Schoolcraft.....	6	.....	6	19	.....	19	25	1,575	63	1.59
Shiawassee	206	9	215	197	5	202	223	27,039	166	.82
St. Clair.....	369	10	379	422	13	435	377	46,197	123	.82
St. Joseph.....	364	13	377	326	10	336	339	26,626	79	1.27
Tuscola.....	199	14	213	257	12	269	241	25,738	107	.94
Van Buren.....	249	11	260	287	2	289	281	30,807	110	.91
Washtenaw.....	322	81	403	384	28	412	333	41,848	126	.80
Wayne.....	1,555	98	1,653	1,576	41	1,617	1,561	166,444	107	.94
Wexford.....	67	11	78	106	.....	106	75	6,815	91	1.10

DEATHS, 1883.

The total number of deaths from all causes, returned to this office for the calendar year 1883, was 16,906, an increase of 481 over the number reported in 1882, and an increase over each of the previous years except 1881. It is only reasonable that such should be the case when the rapid and steady growth in the population of the State is considered.

The death-rate per 1,000 of the population, according to census of 1880, was 10.35, which was .29 of 1 per cent higher than that for 1882, and 1.51 per cent lower than the rate in 1881.

Corrected for omissions in the enumeration the estimated number of deaths in 1883 was 23,640, and the death-rate 14.48 to each thousand inhabitants, which is also based upon the population in 1880. The death-rate in 1882, for deaths as corrected, was 16.7 to each thousand inhabitants.

After all necessary allowances are made for errors of omission, the death-rate in Michigan compares very favorably with the rates in Massachusetts, Rhode Island, and also in certain European countries, as may be seen in the following tabular exhibit:

COUNTRIES.	Average Death-rate, 1860-1879.	Death-rate, 1880.
Massachusetts.....	19.7	19.8
England and Wales.....	22.0	20.5
Denmark.....	19.7	20.4
Sweden.....	19.2	18.1
Austria.....	30.8	29.6
Prussia.....	26.5	25.5
Netherlands.....	24.6	23.6
France.....	23.6	
Hungary.....	38.9	38.6
Switzerland.....	24.0	21.9
Italy.....	29.9	30.5
Spain.....	29.7	
German Empire.....	27.0	26.1

The death-rate in Massachusetts for the year 1883 to each 1,000 of the liv-

ing population, was 19.01, and in Rhode Island in 1882, the rate was 18.3 to each thousand inhabitants.

The following tabular statement shows the death-rate in Michigan, both as regards the number of deaths returned, and the number as corrected for omissions in the enumeration. The computations are based upon the population in 1880, and the number of inhabitants represented by the returns of deaths in 1883:

	Inhabitants in 1880, represented by Deaths in 1883.	Deaths as Returned.	Deaths Corrected for Omissions in Enumerating.	PER CENT OF DEATHS TO INHABITANTS.	
				Deaths as Returned.	Deaths Corrected for Omissions.
Total.....	1,632,994	16,906	23,640	1.04	1.45

The following tabular exhibit shows the total number of deaths and the death-rate per 1,000 of the population, for the year 1883, in some of the cities of the United States:

CITIES.	Total Deaths, 1883.	Death-rate, 1883.
New York.....	34,011	25.81
Brooklyn.....	13,758	22.04
Chicago.....	11,555	19.92
Boston.....	9,740	22.76
Cincinnati.....	5,916	21.12
Cleveland.....	3,399	17.46

The average number of deaths during each of certain specified periods of time in 1883, including those in unknown month, was as follows:

Periods of time.	Deaths as Returned.	Corrected for Omissions.
Per quarter.....	4,227	5,910
Per month.....	1,409	1,970
Per week.....	325	455
Per day.....	46	65

The number and proportion of deaths in each quarter for the years 1881, 1882, 1883, and the average for ten years 1873-1882, may be seen in Table 44. It will be noticed that the year 1883 corresponds quite accurately with the average. As is usually the case, the largest mortality in 1883 occurred in the quarter of the year ending with September, that being the period when the heat of summer has its effect upon the lives of young children. The only two exceptions to this were the years 1878 and 1882, in each of which the last quarter of the year had the largest proportion of deaths.

When the returns of deaths are corrected for omissions, as seen in the lower part of the table, the third quarter has the largest number both for the year 1883, and the average for ten years.

TABLE 44.—Deaths in Michigan by Quarters of the Year, Exhibiting the Number and Per Cent of Total as Returned and as Corrected for the Years 1881-1883, and the Average for Ten Years 1873-1882.

TOTALS, AND MONTHS WITH WHICH QUARTERS END.		1881.		1882.		1883.		Av. for 10 Years, 1873-1882.	
		Num-ber.	Per Cent of Total.	Num-ber.	Per Cent of Total.	Num-ber.	Per Cent of Total.	Num-ber.	Per Cent of Total.
Totals.....		19,238	100.00	16,425	100.00	16,906	100.00	14,318	100.00
As Returned.	March.....	3,458	17.98	3,521	21.44	3,574	21.14	2,865	20.01
	June.....	4,160	21.62	4,055	24.69	4,184	24.75	3,252	22.71
	September.....	6,248	32.48	4,282	26.07	4,703	27.82	4,276	29.86
	December.....	5,306	27.58	4,489	27.33	4,396	26.00	3,872	27.04
	Unknown.....	66	.34	78	.47	49	.29	53	.38
Average.....*		4,809	25.00	4,106	25.00	4,227	25.00	3,580	25.00
Totals.....		27,387	100.00	27,306	100.00	23,640	100.00	21,182	100.00
As Corrected for Omissions.	March.....	5,679	20.74	6,951	25.46	5,060	23.94	4,993	23.24
	June.....	6,314	23.05	7,242	26.52	6,158	26.05	5,221	24.30
	September.....	8,642	31.56	6,787	24.86	6,352	26.87	6,177	28.76
	December.....	6,686	24.41	6,248	22.88	5,421	22.93	5,038	23.45
	Unknown.....	66	.24	78	.28	49	.21	53	.25
Average.....*		6,846	25.00	6,827	25.00	5,910	25.00	5,371	25.00

* Including deaths in unknown month.

The mortality in Michigan, by months, for the years 1881, 1882, 1883, and the average for ten years 1873-1882, may be found in Table 45. August is usually the month which contributes the largest number of deaths, but the year 1882 was an exception, August standing fifth in order. It may be noticed that the months of August, September, and December stand first in order, not only for the year 1883, but also for the average for ten years.

TABLE 45.—*Exhibiting, by Months, the Number and Per Cent of Deaths returned for the Years 1881, 1882, 1883, and the Average for Ten Years 1873-1882, the months arranged in order by Number of Deaths, greatest first.*

Order.	1881.			1882.			1883.			AVERAGE FOR 10 YEARS, 1873-1882.		
	Year and Months.	Num- ber.	Per Ct. of Total.	Year and Months.	Num- ber.	Per Ct. of Total.	Year and Months.	Num- ber.	Per Ct. of Total.	Year and Months.	Num- ber.	Per Ct. of Total.
	Year	19,238	100.00	Year	16,425	100.00	Year	16,906	100.00	Year	14,318	100.00
1	Sept.	2,301	11.96	Dec.	1,570	9.56	Aug.	1,651	9.77	Aug.	1,560	10.89
2	Aug.	2,246	11.67	Sept.	1,545	9.41	Sept.	1,613	9.54	Sept.	1,530	10.69
3	Oct.	1,941	10.09	Oct.	1,498	9.12	Dec.	1,598	9.45	Dec.	1,345	9.39
4	Dec.	1,748	9.09	May	1,480	9.01	April	1,500	8.87	Oct.	1,329	9.28
5	July	1,701	8.84	Aug.	1,453	8.85	July	1,439	8.51	Nov.	1,198	8.37
6	Nov.	1,617	8.41	Nov.	1,421	8.65	May	1,430	8.46	July	1,186	8.28
7	May	1,457	7.57	Mar.	1,372	8.35	Oct.	1,401	8.29	April	1,146	8.00
8	April	1,427	7.42	April	1,311	7.98	Nov.	1,397	8.26	May	1,127	7.87
9	Mar.	1,315	6.84	July	1,284	7.82	Mar.	1,374	8.13	Mar.	1,106	7.72
10	June	1,276	6.63	June	1,264	7.70	June	1,254	7.42	June	979	6.84
11	Feb.	1,078	5.60	Feb.	1,171	7.13	Feb.	1,133	6.70	Feb.	935	6.53
12	Jan.	1,065	5.54	Jan.	978	5.95	Jan.	1,067	6.31	Jan.	824	5.76
	Unk.	66	.34	Unk.	78	.47	Unk.	49	.29	Unk.	53	.38
	Av.	1,603	8.33	Av.	1,369	8.83	Av.	1,409	8.33	Av.	1,193	8.33

SEX OF DECEDENTS.

The following table shows the number and proportion of males and females among the decedents in Michigan for the years 1870 to 1883 inclusive; also the average for the same period of years. During the year 1883 there were returned 9,101 males and 7,748 females, there being 117.5 males to each 100 females, or 54.02 males and 45.98 females in each 100 decedents. It will be noticed that in every year the number of male decedents exceeds that of female decedents, the average for the fourteen years being 114.4 males to each 100 females. This disparity is largely due to the excess of males in the population; for, by computing the rate of mortality in each thousand inhabitants, based on the census of 1880, there appears but little difference in the two sexes. The death-rate in 1883 among males was 10.58 per 1,000, and that of females was 10.02; in 1882 the rates were 10.13 and 9.92, respectively; in 1881 they were 12.02 and 11.60; and in 1880 they were 10. and 9.62.

Table 46 takes the place of Table III. in previous Reports, which gave, by months, the results for a single year only.

TABLE 46.—*Number and Per Cent of Deaths of Males and of Females returned in Michigan for the Years 1870-1883. (Unknown Sex excluded.)*

YEARS.	Deaths of Males, as Returned.	Deaths of Females, as Returned.	Deaths of Males to 100 Deaths of Females.	PER CENT OF EACH SEX TO TOTAL OF BOTH SEXES.			
				Males.	Females.	EXCESS OF THE SEXES.	
						Males.	Females.
1870.....	5,589	5,140	108.7	52.09	47.91	4.18	-----
1871.....	5,190	4,503	115.3	53.54	46.46	7.08	-----
1872.....	7,182	6,162	116.6	53.82	46.18	7.64	-----
1873.....	7,651	6,590	116.1	53.73	46.27	7.46	-----
1874.....	6,665	5,804	114.8	53.45	46.55	6.90	-----
1875.....	6,448	5,484	117.6	54.04	45.96	8.08	-----
1876.....	6,756	5,761	117.3	53.97	46.03	7.94	-----
1877.....	6,827	6,040	113.0	53.06	46.94	6.12	-----
1878.....	6,632	6,082	109.0	52.16	47.84	4.32	-----
1879.....	7,522	6,848	109.8	52.34	47.66	4.68	-----
1880.....	8,645	7,410	116.7	53.85	46.15	7.70	-----
1881.....	10,263	8,910	115.2	53.53	46.47	7.06	-----
1882.....	8,713	7,664	113.7	53.20	46.80	6.40	-----
1883.....	9,101	7,748	117.5	54.02	45.98	8.04	-----
Average.....	7,370	6,439	114.4	53.37	46.63	6.74	-----

OMISSIONS IN THE ENUMERATION OF DEATHS.

Applying the method of correction, used in previous Reports, for omissions in the enumeration because of the time elapsing between the occurrence of the deaths and their enumeration by the supervisors, it is found that it is necessary to increase the number of deaths returned for 1883 by about 40 per cent in order to equal the number which probably occurred, according to that evidence. Adding this per cent to the deaths as returned, it makes the estimated number for 1883, 23,640.

Table 47 represents the months in order, after the above corrections have been made, for each of the years 1881, 1882, 1883, and the average for ten years 1873-1882. This table which corresponds with Exhibit D in previous Reports, may be compared with Table 45.

TABLE 47.—*Exhibiting, by Months, the Number and Per Cent of Deaths, as corrected for Omissions in the Enumeration, for the Years 1881-1883, and the Average for Ten Years 1873-1882, Months arranged in Order by Number, greatest first.*

ORDER.	1881.			1882.			1883.			AVERAGE FOR 10 YEARS, 1873-1882.		
	Months.	Num-ber.	Per Ct. of Total.	Months.	Num-ber.	Per Ct. of Total.	Months.	Num-ber.	Per Ct. of Total.	Months.	Num-ber.	Pr. Ct. of Total.
	Total	27,387	100.00	Total	27,306	100.00	Total	23,640	100.00	Total	21,482	100.00
1	Aug. . .	3,116	11.38	May . . .	2,642	9.68	April . .	2,263	9.57	Aug. . .	2,256	10.50
2	Sept. . .	3,093	11.29	Mar. . . .	2,629	9.63	Aug. . . .	2,232	9.44	Sept. . .	2,140	9.96
3	Oct. . . .	2,526	9.22	Apr. . . .	2,426	8.88	Mar. . . .	2,127	9.00	April . .	1,894	8.82
4	July . . .	2,433	8.88	Sept. . .	2,354	8.62	Sept. . .	2,118	8.96	Mar. . . .	1,879	8.75
5	April . .	2,225	8.12	Feb. . . .	2,320	8.50	May . . .	2,101	8.89	May . . .	1,807	8.41
6	May . . .	2,209	8.07	Aug. . . .	2,309	8.46	July . . .	2,002	8.47	Oct. . . .	1,794	8.35
7	Dec. . . .	2,125	7.76	Oct. . . .	2,135	8.00	Dec. . . .	1,911	8.08	July . . .	1,781	8.29
8	Mar. . . .	2,107	7.69	June . .	2,174	7.96	Feb. . . .	1,798	7.61	Dec. . . .	1,684	7.84
9	Nov. . . .	2,035	7.43	July . . .	2,124	7.78	June . .	1,794	7.59	Feb. . . .	1,634	7.61
10	June . .	1,880	6.87	Dec. . . .	2,084	7.63	Oct. . . .	1,785	7.55	Nov. . . .	1,560	7.26
11	Jan. . . .	1,798	6.57	Jan. . . .	2,002	7.33	Jan. . . .	1,735	7.34	June . .	1,520	7.07
12	Feb. . . .	1,774	6.48	Nov. . . .	1,979	7.25	Nov. . . .	1,725	7.29	Jan. . . .	1,480	6.89
	Unk. . .	66	.24	Unk. . .	78	.28	Unk. . .	49	.21	Unk. . .	53	.25
	Av. a. . .	2,282	8.33	Av. a. . .	2,276	8.33	Av. a. . .	1,970	8.33	Av. a. . .	1,790	8.33

a Including deaths in unknown month.

AGES OF PERSONS WHO DIED IN MICHIGAN IN 1883.

Table 48, which is the same as Table IV. in previous reports, contains some important evidence concerning the proportion of deaths at different ages and periods of life. As may be seen, about a fourth of all the deaths in 1883 were those of children under one year of age, and more than a third of the entire mortality occurred among children under five years of age. These proportions are very similar to those for previous years, as may be seen by reference to Table 49, which is published in this Report for the first time.

The proportion of deaths under one and five years of age, in 1883, was less than the average for twelve years 1872-1883, and it is worthy of notice that while the per cent of decedents under one year of age has been increasing for the last three years the per cent of decedents under five has been decreasing. As in 1882, there was a marked decrease in some of the prominent causes of death among children, this being especially true of diphtheria.

It is quite interesting to note the proportion of males and females among the decedents at different ages, as is shown in Table 48. The largest excess among the males appears for those under one year of age, there being 132 males to each 100 females, and among those under five years of age there were 127 males to each 100 females.

At the period of life between the ages of fifteen and forty years the proportion of deaths was very much greater among females, but at other periods of life the excess is among the males; as this was true, not only for 1883 but also for former years, it becomes a general statement.

TABLE 48.—*Exhibiting, by Sex, and by Age in Periods of Years, the Number and Proportion of Persons returned as having died in Michigan during the Year 1883; also, the Excess of Persons of each Sex.*

AGES IN YEARS AND PERIODS.	NUMBER OF DEATHS, 1883.				PER CT. OF DEATHS AT EACH AGE TO TOTAL AT ALL AGES.			PER CENT OF EACH SEX TO TOTAL OF BOTH SEXES.				EXCESS OF THE SEXES BY NUMBER.		Males to 100 Fe- males.
	Total.	Males.	Fe- males.	Unk.	Total.	Males.	Fe- males.	Males.	Fe- males.	Excess.		Males.	Fe- males.	
										Males.	Fe- males.			
All ages....	16,906	9,101	7,748	57	100.00	100.00	100.00	54.02	45.98	8.04	.....	1,353	.....	117.46
Under 1....	4,197	2,366	1,780	51	24.83	25.99	22.97	57.07	42.93	14.14	.....	586	.....	132.92
1 to 2.....	938	519	418	1	54.89	5.69	5.39	55.39	44.61	10.78	.....	101	.....	124.16
2 to 3.....	565	292	272	1	3.34	3.21	3.51	51.77	48.23	3.54	.....	20	.....	107.35
3 to 4.....	424	227	197	---	2.51	2.49	2.54	53.54	46.46	7.08	.....	30	.....	115.23
4 to 5.....	345	193	152	---	2.04	2.13	1.96	55.94	44.06	11.88	.....	41	.....	126.97
Under 5....	6,469	3,597	2,819	53	38.26	39.52	36.37	56.06	43.94	12.12	.....	778	.....	127.60
5 to 10....	1,019	503	516	---	6.03	5.53	6.66	49.36	50.64	.....	1.28	.....	13	97.43
10 to 15....	503	264	239	---	2.98	2.90	3.09	52.49	47.51	4.98	.....	25	.....	110.46
15 to 20....	678	317	361	---	4.01	3.48	4.66	46.76	53.24	.....	6.48	.....	44	87.81
20 to 25....	858	406	452	---	5.07	4.46	5.83	47.32	52.68	.....	5.36	.....	46	89.82
25 to 30....	727	345	382	---	4.30	3.79	4.93	47.46	52.54	.....	5.08	.....	37	90.31
30 to 35....	556	251	305	---	3.29	2.76	3.94	45.14	54.86	.....	9.72	.....	54	82.30
35 to 40....	602	271	331	---	3.56	2.98	4.27	45.02	54.98	.....	9.96	.....	60	81.87
40 to 45....	499	259	240	---	2.95	2.85	3.10	51.92	48.08	3.84	.....	19	.....	107.92
45 to 50....	489	254	235	---	2.89	2.79	3.03	51.94	48.06	3.88	.....	19	.....	108.09
50 to 55....	520	295	225	---	3.08	3.24	2.90	56.73	43.27	13.46	---	70	.....	131.11
55 to 60....	500	290	201	---	2.95	3.29	2.59	59.80	40.20	19.60	.....	98	.....	148.76
60 to 65....	627	380	247	---	3.71	4.18	3.19	60.61	39.39	21.22	.....	133	.....	153.85
65 to 70....	627	359	268	---	3.71	3.94	3.46	57.26	42.74	14.52	.....	91	.....	133.96
70 to 75....	671	395	276	---	3.97	4.34	3.56	58.87	41.13	17.74	.....	119	.....	143.12
75 to 80....	568	339	229	---	2.36	3.72	3.96	59.68	40.32	19.36	.....	110	.....	148.03
80 to 85....	415	241	174	---	2.45	2.65	2.25	58.07	41.93	16.14	.....	67	.....	138.51
85 to 90....	181	110	71	---	1.07	1.21	.92	60.77	39.23	21.54	.....	39	.....	154.93
90 to 95....	63	30	33	---	.39	.33	.43	47.62	52.38	.....	4.76	.....	3	90.91
95 to 100....	28	17	11	---	.17	.19	.14	60.71	39.29	21.42	.....	6	.....	154.55
100 and over	11	4	7	---	.06	.04	.09	36.36	63.64	.....	27.28	.....	3	57.14
Unk. Ages.	295	165	126	4	1.74	1.81	1.63	56.70	43.30	13.40	.....	39	.....	130.95

It may also be noticed, from Table 49, that while the proportion of deaths among children under one and five years of age was lower in 1883 than the average for twelve years, the proportion of deaths among those aged 20 to 30 and for all other ages was higher.

TABLE 49.—*Exhibiting the Per Cent of Deaths at Different Ages, for the Years 1872-1883, and the Average for Twelve Years.*

YEARS.	Under 1 Year.	Under 5 Years.	20 to 30.	All Others.
1872.....	24.49	41.52	9.21	49.27
1873.....	25.00	41.37	9.39	49.24
1874.....	26.98	41.10	9.05	49.85
1875.....	27.59	41.39	8.89	49.72
1876.....	27.24	40.72	8.58	50.70
1877.....	26.11	40.30	8.68	51.02
1878.....	25.22	39.22	8.43	52.35
1879.....	24.68	39.52	8.23	52.25
1880.....	24.66	39.95	7.96	52.69
1881.....	24.20	40.63	9.00	50.37
1882.....	24.38	38.81	8.72	52.47
1883.....	24.83	38.26	9.37	52.37
Average	25.45	40.23	8.79	50.98

DEATHS BY MONTHS AT DIFFERENT AGES.

Table 50 shows the influence of the season of the year upon the mortality among persons in different periods of life. The showing of this table for 1883 is that, of the decedents under one year of age, the largest proportion (13.26 per cent) died in the month of August, and that the per cent of decedents under one year of age to decedents at all ages was greater (33.68) in August than in any other month of the year. The same is also true of decedents under five years of age.

The deaths of children between the ages of five and ten years show the largest proportion for the months of May and December; of persons between the ages of ten and twenty, the largest proportion was in April; of those between the ages of twenty to fifty and over the largest proportion was in December.

The teaching of this table for the year 1883, and also for previous years, has been that August was the month of greatest danger to children under five years of age, and that to children between the ages of five and ten years, and adults over fifty the greatest danger was in December.

Tables 51 and 52 continue the subject of deaths by ages in detail, and permit of its study by sex of decedents by months of death.

TABLE 50.—*The Relation of the Deaths at Different Periods of Age to Deaths at All Ages, by Months; and for the same Period of Age, the Relation of the Deaths in each Month to the Deaths in the Year 1883, according to the Returns.*

DEATHS BY AGES IN PERIODS OF YEARS.	Year, 1883.*	MONTHS, 1883.											
		Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
All ages.....	16,857	1,067	1,133	1,374	1,500	1,430	1,264	1,439	1,651	1,613	1,401	1,397	1,568
Under 1.....	4,192	234	268	341	321	295	284	424	556	476	334	296	393
{ Number.....													
{ Per Cent of All Ages.....	24.87	21.93	23.65	24.82	21.40	20.63	22.65	29.46	33.68	29.51	23.84	21.19	22.72
Under 5.....	100.00	5.48	6.39	8.13	7.68	7.04	6.78	10.11	13.26	11.36	7.97	7.06	8.66
{ Number.....	6,459	370	438	521	538	494	432	618	814	696	516	466	556
{ Per Cent of All Ages.....	38.32	34.68	38.66	37.92	35.87	34.55	34.45	43.95	49.30	43.15	36.83	33.36	34.79
{ Per Cent of Deaths, 1883.....	100.00	5.73	6.78	8.07	8.33	7.65	6.69	9.57	12.60	10.77	7.99	7.21	8.61
5 to 10.....	1,016	85	62	79	90	98	81	89	72	88	85	89	98
{ Number.....													
{ Per Cent of All Ages.....	6.03	7.97	5.47	5.75	6.00	6.85	6.46	6.18	4.36	5.46	6.07	6.37	6.13
{ Per Cent of Deaths, 1883.....	100.00	8.37	6.10	7.77	8.86	9.65	7.97	8.76	7.09	8.66	8.37	8.76	9.64
10 to 20.....	1,179	95	77	80	125	120	107	85	97	112	91	91	99
{ Number.....													
{ Per Cent of All Ages.....	6.99	8.90	6.80	5.82	8.33	8.39	8.53	5.91	5.89	6.94	6.50	6.51	6.26
{ Per Cent of Deaths, 1883.....	100.00	8.06	6.53	6.78	10.60	10.18	9.07	7.21	8.23	9.50	7.72	7.72	8.40
20 to 50.....	3,714	225	240	313	314	333	295	303	305	330	341	312	403
{ Number.....													
{ Per Cent of All Ages.....	22.03	21.09	21.18	22.78	20.33	23.29	23.62	21.06	18.47	20.46	24.34	22.33	25.22
{ Per Cent of Deaths, 1883.....	100.00	6.06	6.46	8.43	8.45	8.97	7.94	8.16	8.21	8.89	9.18	8.40	10.85
50 and over.....	4,208	279	294	361	409	356	323	304	338	355	342	415	422
{ Number.....													
{ Per Cent of All Ages.....	24.96	26.15	25.95	26.27	27.27	24.90	25.76	21.13	20.47	22.53	24.41	29.71	26.41
{ Per Cent of Deaths, 1883.....	100.00	6.63	6.99	8.58	9.72	8.46	7.68	7.22	8.03	8.67	8.13	9.89	10.03
Unk. Ages.....	281	13	22	20	24	29	16	40	25	22	26	24	20
{ Number.....													
{ Per Cent of All Ages.....	1.67	1.32	1.94	1.46	1.60	2.03	1.28	2.78	1.51	1.36	1.86	1.73	1.25
{ Per Cent of Deaths, 1883.....	100.00	4.63	7.83	7.12	8.54	10.32	5.69	14.23	8.90	7.83	9.25	8.54	7.12

* Excluding unknown month.

TABLE 51.—*Exhibiting, by Sex and by Age in Periods of Years, the Number of Persons Returned as having Died in Michigan during the Year, and in each Month of the Year 1883.*

AGES IN PERIODS OF YEARS.	SEX.	Year, 1883.	MONTHS, 1883.												
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
All Ages.	Total.....	16,906	1067	1133	1374	1500	1430	1254	1439	1651	1613	1401	1397	1598	49
	Males.....	9,101	580	579	720	808	759	687	765	897	892	755	766	863	30
	Females.....	7,748	483	549	649	688	667	561	667	749	714	641	629	732	19
	Unknown.....	57	4	5	5	4	4	6	7	5	7	5	2	3	---
Under 1.	Total.....	4,197	234	268	341	321	295	284	424	556	476	334	296	363	5
	Males.....	2,366	146	146	184	192	164	160	250	295	271	189	156	210	3
	Females.....	1,780	85	117	152	125	127	119	169	257	199	140	138	150	2
	Unknown.....	51	3	5	5	4	4	5	5	4	6	5	2	3	---
All under 5.	Total.....	6,469	370	438	521	538	494	432	618	814	696	516	466	556	10
	Males.....	3,597	221	233	279	304	266	246	348	434	394	294	252	320	6
	Females.....	2,819	146	200	237	230	224	180	265	376	295	217	212	233	4
	Unknown.....	53	3	5	5	4	4	6	5	4	7	5	2	3	---
5 to 10.	Total.....	1,019	85	62	79	90	98	81	89	72	88	85	89	98	3
	Males.....	503	40	33	40	44	47	42	40	37	46	36	48	48	2
	Females.....	516	45	29	39	46	51	39	49	35	42	49	41	50	1
	Unknown.....	503	48	38	28	49	44	42	36	39	45	42	50	41	1
10 to 15.	Total.....	264	26	17	12	27	29	27	29	19	22	22	18	16	---
	Males.....	239	22	21	16	22	15	15	7	20	23	20	32	25	1
	Females.....	678	47	39	52	76	76	65	49	58	67	49	41	58	1
	Unknown.....	317	19	13	26	38	36	30	22	30	35	22	18	27	1
15 to 20.	Total.....	361	28	26	26	38	40	35	27	28	32	27	23	31	---
	Males.....	858	52	59	79	74	82	75	60	76	72	76	69	82	2
	Females.....	406	22	31	36	34	45	36	26	36	34	33	32	34	2
	Unknown.....	452	30	28	43	40	37	39	34	40	38	38	37	48	---
20 to 25.	Total.....	727	41	35	66	56	66	66	59	53	69	75	55	84	2
	Males.....	345	13	17	35	26	28	34	25	31	34	26	37	38	1
	Females.....	382	28	18	31	30	38	32	34	22	35	49	18	46	1
	Unknown.....	556	31	41	37	39	44	45	51	54	55	39	50	67	3
30 to 35.	Total.....	251	14	16	19	12	19	18	18	32	32	16	22	32	1
	Males.....	305	17	25	18	27	25	27	33	22	23	23	28	35	2
	Females.....	602	36	33	51	59	57	39	47	60	36	62	57	57	4
	Unknown.....	271	22	12	20	25	20	13	22	30	15	34	30	25	3
35 to 40.	Total.....	331	14	21	31	34	37	26	25	30	21	32	27	32	1
	Males.....	499	32	34	39	43	41	37	47	28	54	39	43	59	3
	Females.....	259	16	15	21	20	22	17	19	14	32	20	23	38	2
	Unknown.....	240	16	19	18	23	19	20	28	14	22	19	20	21	1

TABLE 51.—CONTINUED.—*Deaths by Periods of Age, by Sex, by Months.*

AGES IN PERIODS OF YEARS.	SEX.	Year, 1883.	MONTHS, 1883.												
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
45 to 50.....	Total.....	489	33	38	41	43	43	33	39	34	44	46	38	54	3
	Males.....	254	17	18	19	23	25	14	15	19	27	27	23	25	2
	Females.....	235	16	20	22	20	18	19	24	15	17	19	15	29	1
50 to 55.....	Total.....	520	23	33	54	55	40	47	43	39	39	44	55	48	---
	Males.....	295	14	15	30	33	19	30	25	22	20	21	34	32	---
	Females.....	225	9	18	24	22	21	17	18	17	19	23	21	16	---
55 to 60.....	Total.....	500	42	29	37	47	50	40	36	39	49	38	46	46	1
	Males.....	299	22	15	20	33	36	25	24	23	26	20	27	28	---
	Females.....	201	20	14	17	14	14	15	12	16	23	18	19	18	1
60 to 65.....	Total.....	627	38	46	49	66	55	50	44	57	60	48	65	49	---
	Males.....	380	23	28	32	38	42	25	24	30	40	30	40	28	---
	Females.....	247	15	18	17	28	13	25	20	27	20	18	25	21	---
65 to 70.....	Total.....	627	41	44	46	57	56	38	50	39	66	57	55	77	1
	Males.....	359	21	26	22	34	22	22	28	27	42	37	31	47	---
	Females.....	268	20	18	24	23	34	16	22	12	24	20	24	30	1
70 to 75.....	Total.....	671	47	50	63	60	43	47	52	56	60	60	65	68	---
	Males.....	395	28	25	38	33	24	29	30	29	33	37	49	40	---
	Females.....	276	19	25	25	27	19	18	22	27	27	23	16	28	---
75 to 80.....	Total.....	568	36	46	61	43	56	42	37	51	46	39	57	54	---
	Males.....	339	21	25	32	21	31	27	22	40	23	29	34	34	---
	Females.....	229	15	21	29	22	25	15	15	11	23	10	23	20	---
80 to 85.....	Total.....	415	31	26	30	49	37	32	26	35	28	32	48	40	1
	Males.....	241	20	17	17	27	24	26	14	19	17	17	30	12	1
	Females.....	174	11	9	13	22	13	6	12	16	11	15	18	28	---
85 to 90.....	Total.....	181	15	10	16	22	12	12	13	13	10	16	17	25	---
	Males.....	110	11	6	9	17	7	7	7	9	3	12	6	16	---
	Females.....	71	4	4	7	5	5	5	6	4	7	4	11	9	---
90 to 95.....	Total.....	63	5	5	5	3	6	8	3	5	4	5	5	9	---
	Males.....	30	3	3	3	1	1	5	2	---	2	3	1	6	---
	Females.....	33	2	2	2	2	5	3	1	5	2	2	4	3	---
95 to 100.....	Total.....	28	---	4	---	4	1	5	---	3	3	3	1	4	---
	Males.....	17	---	2	---	3	1	3	---	2	1	1	1	3	---
	Females.....	11	---	2	---	1	---	2	---	1	2	2	---	1	---
100 and over.....	Total.....	11	1	1	---	3	---	2	---	1	---	---	1	2	---
	Males.....	4	1	---	---	1	---	---	---	1	---	---	---	1	---
	Females.....	7	---	1	---	2	---	2	---	---	---	---	1	1	---
Unknown.....	Total.....	295	13	22	20	24	29	16	40	25	22	26	24	20	14
	Males.....	165	6	12	10	14	15	11	25	13	14	13	10	13	9
	Females.....	126	6	10	10	10	14	5	13	11	8	13	14	7	5
	Unknown.....	4	1	---	---	---	---	---	2	1	---	---	---	---	---

TABLE 52.—*Exhibiting, by Sex and by Months, the Number Returned as having Died in Michigan during the Year 1883 at each and every Age, the Age stated in Twelfths of a Year for those under One Year, and in Years for those over One Year of Age.*

AGES IN YEARS.	SEX.	Year, 1883.	MONTHS, 1883.												
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
Under 1-12	Total.....	2,030	128	137	173	170	165	145	183	198	210	158	173	185	5
	Males.....	1,143	75	72	86	99	84	83	110	109	121	89	94	118	3
	Females..	837	51	60	82	67	77	57	68	85	83	64	77	64	2
	Unknown	50	2	5	5	4	4	5	5	4	6	5	2	3	---
1-12	Total.....	372	16	22	35	33	24	28	42	58	33	32	28	21	---
	Males.....	221	13	10	22	21	13	19	31	27	19	19	16	11	---
	Females..	151	3	12	13	12	11	9	11	31	14	13	12	10	---
2-12	Total.....	280	9	19	23	19	13	15	34	40	40	28	18	22	---
	Males.....	160	5	10	15	13	8	7	19	21	26	17	9	10	---
	Females..	120	4	9	8	6	5	8	15	19	14	11	9	12	---
3-12	Total.....	253	12	12	13	14	16	18	26	43	43	16	18	22	---
	Males.....	138	8	7	7	8	9	8	14	20	31	10	9	7	---
	Females..	114	3	5	6	6	7	10	12	23	12	6	9	15	---
	Unknown	1	1	---	---	---	---	---	---	---	---	---	---	---	---
4-12	Total.....	204	5	13	14	13	12	13	23	44	19	18	10	20	---
	Males.....	111	3	8	10	8	8	7	12	19	8	9	5	14	---
	Females..	93	2	5	4	5	4	6	11	25	11	9	5	6	---
5-12	Total.....	189	11	13	12	4	9	11	24	38	20	16	9	22	---
	Males.....	109	7	9	8	3	4	5	14	22	9	10	5	13	---
	Females..	80	4	4	4	1	5	6	10	16	11	6	4	9	---
6-12	Total.....	188	12	10	16	14	10	8	20	25	25	20	11	17	---
	Males.....	104	7	4	10	7	8	5	12	17	13	8	4	9	---
	Females..	84	5	6	6	7	2	3	8	8	12	12	7	8	---
7-12	Total.....	142	10	8	13	9	4	10	15	16	26	11	10	10	---
	Males.....	79	6	6	7	7	3	6	10	10	9	3	5	7	---
	Females..	63	4	2	6	2	1	4	5	6	17	8	5	3	---
8-12	Total.....	154	11	11	10	15	15	9	11	21	18	13	7	13	---
	Males.....	87	8	6	6	7	11	4	3	14	12	7	3	6	---
	Females..	67	3	5	4	8	4	5	8	7	6	6	4	7	---
9-12	Total.....	119	6	13	8	12	11	7	16	25	5	4	4	8	---
	Males.....	67	3	7	2	7	8	4	10	15	4	3	2	2	---
	Females..	52	3	6	6	5	3	3	6	10	1	1	2	6	---
10-12	Total.....	120	6	5	11	11	4	12	12	18	22	9	2	8	---
	Males.....	59	5	4	4	6	2	8	6	4	9	7	1	3	---
	Females..	61	1	1	7	5	2	4	6	14	13	2	1	5	---

TABLE 52.—CONTINUED.—Deaths by Ages, by Sex, by Months.

AGES IN YEARS.	SEX.	Year, 1883.	MONTHS, 1883.												
			Jan.	Feb.	Mar.	Apr.	May.	Jun.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
11-12	Total	146	8	5	13	7	12	8	18	30	15	9	6	15	---
	Males	88	6	3	7	6	6	4	9	17	10	7	3	10	---
	Females	58	2	2	6	1	6	4	9	13	5	2	3	5	---
1	Total	938	48	72	79	83	79	60	83	121	102	71	56	80	---
	Males	519	25	41	44	42	44	37	41	73	57	40	23	44	3
	Females	418	23	31	35	41	35	22	42	48	45	31	28	36	1
2	Unknown	1	---	---	---	---	---	1	---	---	---	---	---	---	---
	Total	565	43	37	38	62	56	35	42	62	53	45	47	45	---
	Males	292	27	15	16	34	25	23	20	31	29	26	24	22	---
3	Females	272	16	22	22	28	31	12	22	31	23	19	23	23	---
	Unknown	1	---	---	---	---	---	---	---	1	---	---	---	---	---
	Total	424	25	34	32	41	36	33	41	44	35	37	32	33	1
4	Males	227	12	17	15	22	21	16	24	20	19	20	21	20	---
	Females	197	13	17	17	19	15	17	17	24	16	17	11	13	1
	Total	345	20	27	31	31	28	20	28	31	30	29	35	35	---
5	Males	193	11	14	20	14	12	10	13	15	18	19	23	24	---
	Females	152	9	13	11	17	16	10	15	16	12	10	12	11	---
	Total	297	38	21	21	26	23	16	21	24	22	28	28	28	1
6	Males	146	16	12	10	9	12	6	14	14	10	13	15	14	1
	Females	151	22	9	11	17	11	10	7	10	12	15	13	14	---
	Total	222	19	17	13	21	28	20	17	13	18	15	18	23	---
7	Males	116	10	11	6	11	15	14	5	6	9	7	10	12	---
	Females	106	9	6	7	10	13	6	12	7	9	8	8	11	---
	Total	196	10	9	22	16	17	12	24	12	20	17	19	18	---
8	Males	92	5	4	11	5	8	6	7	6	12	7	12	9	---
	Females	104	5	5	11	11	9	6	17	6	8	10	7	9	---
	Total	161	9	10	11	17	13	16	14	11	11	17	12	18	2
9	Males	90	6	6	7	12	6	9	7	6	9	8	6	7	1
	Females	71	3	4	4	5	7	7	7	5	2	9	6	11	1
	Total	143	9	5	12	10	17	17	13	12	17	8	12	11	---
10	Males	59	3	---	6	7	6	7	7	5	6	1	5	6	---
	Females	84	6	5	6	3	11	10	6	7	11	7	7	5	---
	Total	105	5	6	8	13	8	11	7	6	7	12	7	14	1
11	Males	45	2	3	3	5	3	4	6	2	4	7	2	4	---
	Females	60	3	3	5	8	5	7	1	4	3	5	5	10	1
	Total	120	6	8	3	10	15	12	11	9	12	10	16	8	---
11	Males	73	4	2	1	7	12	9	11	4	6	6	8	3	---
	Females	47	2	6	2	3	3	3	---	5	6	4	8	5	---

TABLE 52.—CONTINUED.—*Deaths by Ages, by Sex, by Months.*

AGES IN YEARS.	SEX.	Year, 1883.	MONTHS, 1883.												
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
12	Total.....	94	7	8	7	12	7	6	9	10	7	5	8	8	---
	Males.....	56	3	5	4	9	3	6	6	7	5	1	3	4	---
	Females..	38	4	3	3	3	4	---	3	3	2	4	5	4	---
13	Total.....	87	18	6	2	6	6	7	2	3	8	11	11	7	---
	Males.....	43	9	2	2	2	6	3	---	2	4	6	3	4	---
	Females..	44	9	4	---	4	---	4	2	1	4	5	8	3	---
14	Total.....	97	12	10	8	8	8	6	7	11	11	4	8	4	---
	Males.....	47	8	5	2	4	5	5	6	4	3	2	2	1	---
	Females..	50	4	5	6	4	3	1	1	7	8	2	6	3	---
15	Total.....	118	8	7	6	11	13	12	9	8	6	8	13	17	---
	Males.....	64	4	2	5	7	7	6	5	6	5	2	8	7	---
	Females..	54	4	5	1	4	6	6	4	2	1	6	5	10	---
16	Total.....	129	4	8	14	14	14	14	12	11	17	6	8	7	---
	Males.....	58	2	3	6	6	8	5	4	6	7	3	5	3	---
	Females..	71	2	5	8	8	6	9	8	5	10	3	3	4	---
17	Total.....	144	7	8	5	19	18	10	14	18	16	14	5	10	---
	Males.....	63	2	2	1	11	5	7	5	8	8	8	1	5	---
	Females..	81	5	6	4	8	13	3	9	10	8	6	4	5	---
18	Total.....	133	16	6	9	10	15	12	6	13	14	8	8	15	1
	Males.....	55	7	3	4	4	7	1	4	5	8	3	3	5	1
	Females..	78	9	3	5	6	8	11	2	8	6	5	5	10	---
19	Total.....	154	12	10	18	22	16	17	8	8	14	13	7	9	---
	Males.....	77	4	3	10	10	9	11	4	5	7	6	1	7	---
	Females..	77	8	7	8	12	7	6	4	3	7	7	6	2	---
20	Total.....	149	7	11	12	18	11	11	9	16	12	14	12	16	---
	Males.....	75	4	7	5	11	6	3	4	9	8	8	5	5	---
	Females..	74	3	4	7	7	5	8	5	7	4	6	7	11	---
21	Total.....	144	13	10	10	12	11	13	10	16	9	14	12	14	---
	Males.....	66	4	5	5	6	8	8	4	8	2	5	3	8	---
	Females..	78	9	5	5	6	3	5	6	8	7	9	9	6	---
22	Total.....	189	8	5	20	18	24	19	14	13	17	19	13	19	---
	Males.....	87	6	3	9	5	8	8	6	7	10	10	7	8	---
	Females..	102	2	2	11	13	16	11	8	6	7	9	6	11	---
23	Total.....	201	10	15	20	10	18	19	13	16	21	15	23	19	2
	Males.....	103	5	6	10	8	13	8	6	6	9	9	12	9	2
	Females..	98	5	9	10	2	5	11	7	10	12	6	11	10	---
	Total.....	175	14	18	17	16	18	13	14	15	13	14	9	14	---
	Males.....	75	3	10	7	4	10	9	6	6	5	6	5	4	---
	Females..	100	11	8	10	12	8	4	8	9	8	8	4	10	---

TABLE 52.—CONTINUED.—*Deaths by Ages, by Sex, by Months.*

AGES IN YEARS.	SEX.	Year, 1883.	MONTHS, 1883.												
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
25	Total.....	134	7	4	9	12	15	14	11	10	18	9	6	19	---
	Males.....	65	1	2	3	6	5	7	6	6	10	4	4	11	---
	Females..	69	6	2	6	6	10	7	5	4	8	5	2	8	---
26	Total.....	166	10	9	24	14	12	11	11	9	12	22	16	16	---
	Males.....	77	4	4	13	8	3	6	4	4	4	6	11	10	---
	Females..	89	6	5	11	6	9	5	7	5	8	16	5	6	---
27	Total.....	131	12	2	15	9	12	16	8	7	12	14	9	14	1
	Males.....	61	6	1	9	2	4	8	5	4	5	7	4	5	1
	Females..	70	6	1	6	7	8	8	3	3	7	7	5	9	---
28	Total.....	160	5	14	12	13	16	17	14	11	12	15	7	23	1
	Males.....	81	1	8	7	8	10	10	7	6	7	4	4	9	---
	Females..	79	4	6	5	5	6	7	7	5	5	11	3	14	1
29	Total.....	136	7	6	6	8	11	8	15	16	15	15	17	12	---
	Males.....	61	1	2	3	2	6	3	3	11	8	5	14	3	---
	Females..	75	6	4	3	6	5	5	12	5	7	10	3	9	---
30	Total.....	118	7	11	5	5	16	10	10	7	16	10	7	13	1
	Males.....	62	4	7	2	2	8	6	3	5	11	5	3	5	1
	Females..	56	3	4	3	3	8	4	7	2	5	5	4	8	---
31	Total.....	83	3	6	5	8	4	6	6	5	12	4	14	10	---
	Males.....	38	1	2	2	2	3	4	3	2	6	---	7	6	---
	Females..	45	2	4	3	6	1	2	3	3	6	4	7	4	---
32	Total.....	156	13	10	7	12	13	9	17	16	12	10	13	23	1
	Males.....	64	4	3	4	2	5	2	8	9	7	3	5	12	---
	Females..	92	9	7	3	10	8	7	9	7	5	7	8	11	1
33	Total.....	102	4	8	13	8	5	12	7	12	6	9	7	10	1
	Males.....	46	3	3	9	3	1	3	1	6	4	5	3	5	---
	Females..	56	1	5	4	5	4	9	6	6	2	4	4	5	1
34	Total.....	97	4	6	7	6	6	8	11	14	9	6	9	11	---
	Males.....	41	2	1	2	3	2	3	3	10	4	3	4	4	---
	Females..	56	2	5	5	3	4	5	8	4	5	3	5	7	---
35	Total.....	149	6	6	8	15	13	12	9	21	9	14	17	17	2
	Males.....	80	5	4	5	4	4	7	7	14	5	7	8	8	2
	Females..	69	1	2	3	11	9	5	2	7	4	7	9	9	---
36	Total.....	112	10	9	6	9	8	4	12	11	5	14	9	15	---
	Males.....	50	6	2	3	6	4	1	2	6	2	5	7	6	---
	Females..	62	4	7	3	3	4	3	10	5	3	9	2	9	---

TABLE 52.—CONTINUED.—*Deaths by Ages, by Sex, by Months.*

AGES IN YEARS.	Sex.	Year, 1883.	MONTHS, 1883.												
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
37.....	Total.....	108	7	5	14	10	9	10	7	11	8	12	8	7	....
	Males.....	50	4	4	4	5	2	1	4	5	5	9	4	3	....
	Females..	58	3	1	10	5	7	9	3	6	3	3	4	4	....
38.....	Total.....	123	6	9	12	13	14	8	11	6	7	14	10	10	2
	Males.....	46	3	1	3	7	3	2	5	2	3	6	7	3	1
	Females..	76	3	8	9	6	11	6	6	4	4	8	3	7	1
39.....	Total.....	111	7	4	11	12	13	5	8	11	7	12	13	8	....
	Males.....	45	4	1	5	3	7	2	4	3	....	7	4	5	....
	Females..	66	3	3	6	9	6	3	4	8	7	5	9	3	....
40.....	Total.....	131	8	11	9	10	12	7	10	7	13	15	13	13	3
	Males.....	68	4	4	5	3	4	4	4	3	8	8	11	6	2
	Females..	65	4	7	4	7	8	3	6	4	5	7	2	7	1
41.....	Total.....	78	5	8	5	7	3	5	7	2	8	4	7	12	....
	Males.....	42	3	4	3	4	2	2	2	2	4	1	5	10	....
	Females..	31	2	4	2	3	1	3	5	....	4	3	2	2	....
42.....	Total.....	121	10	7	10	9	10	13	12	9	10	7	9	15	....
	Males.....	60	5	2	5	4	5	4	3	6	8	4	2	12	....
	Females..	61	5	5	5	5	5	9	9	3	2	3	7	3	....
43.....	Total.....	85	3	4	5	11	10	5	11	5	12	4	6	9	....
	Males.....	43	1	2	4	7	8	2	5	1	4	3	1	5	....
	Females..	42	2	2	1	4	2	3	6	4	8	1	5	4	....
44.....	Total.....	89	6	4	10	6	6	7	7	5	11	9	8	10	....
	Males.....	48	3	3	4	2	3	5	5	2	8	4	4	5	....
	Females..	41	3	1	6	4	3	2	2	3	3	5	4	5	....
45.....	Total.....	114	7	12	8	6	15	8	9	6	10	15	8	8	2
	Males.....	67	4	5	5	3	12	3	3	4	7	8	6	5	2
	Females..	47	3	7	3	3	3	5	6	2	3	7	2	3	....
46.....	Total.....	91	4	8	10	8	6	9	4	6	14	7	11	4	....
	Males.....	43	3	3	5	4	2	4	1	2	9	3	6	1	....
	Females..	48	1	5	5	4	4	5	3	4	5	4	5	3	....
47.....	Total.....	91	12	4	7	10	6	2	13	3	6	8	8	10	....
	Males.....	42	5	1	3	7	3	....	5	1	6	4	4	3	....
	Females..	49	7	3	4	3	3	2	8	2	2	4	4	7	....
48.....	Total.....	102	3	8	7	12	8	8	10	11	5	10	5	14	1
	Males.....	61	1	6	4	7	4	6	6	7	2	8	3	7	....
	Females..	41	2	2	3	5	4	2	4	4	3	2	2	7	1
.....	Total.....	91	7	6	9	7	8	6	3	8	7	6	6	18	....
	Males.....	41	4	3	2	2	4	1	....	5	3	4	4	9	....
	Females..	50	3	3	7	5	4	5	3	3	4	2	2	9	....

TABLE 52.—CONTINUED.—*Deaths by Ages, by Sex, by Months.*

AGES IN YEARS.	Sex.	Year, 1883.	Months, 1883.												
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
50	Total.....	109	3	6	10	15	11	8	10	8	7	8	11	12	-----
	Males.....	59	1	1	6	6	6	5	7	4	6	2	6	9	-----
	Females..	50	2	5	4	9	5	3	3	4	1	6	5	3	-----
51	Total.....	72	2	6	8	8	3	10	5	7	5	5	8	5	-----
	Males.....	38	2	3	3	6	2	4	2	3	1	2	5	5	-----
	Females..	34	-----	3	5	2	1	6	3	4	4	3	3	-----	-----
52	Total.....	119	10	8	13	14	3	10	14	11	6	8	12	10	-----
	Males.....	71	3	5	6	8	1	8	8	8	3	4	8	4	-----
	Females..	48	2	3	7	6	2	2	6	3	3	4	4	6	-----
53	Total.....	114	2	9	9	11	11	10	10	7	12	10	14	9	-----
	Males.....	74	2	5	6	9	4	6	7	6	7	6	11	5	-----
	Females..	40	-----	4	3	2	7	4	3	1	5	4	3	4	-----
54	Total.....	106	6	4	14	7	12	9	4	6	9	13	10	12	-----
	Males.....	53	1	1	9	4	6	7	1	1	3	7	4	9	-----
	Females..	53	5	3	5	3	6	2	3	5	6	6	6	3	-----
55	Total.....	100	8	5	3	15	14	10	8	6	7	5	10	9	-----
	Males.....	60	5	2	1	9	12	7	5	4	1	2	7	5	-----
	Females..	40	3	3	2	6	2	3	3	2	6	3	3	4	-----
56	Total.....	102	6	6	12	8	12	6	9	8	11	8	8	8	-----
	Males.....	62	4	4	7	6	6	4	5	6	6	5	5	4	-----
	Females..	40	2	2	5	2	6	2	4	2	5	3	3	4	-----
57	Total.....	102	5	7	8	7	6	11	4	5	11	14	13	11	-----
	Males.....	58	-----	4	6	4	3	8	2	4	6	6	8	7	-----
	Females..	44	5	3	2	3	3	3	2	1	5	8	5	4	-----
58	Total.....	109	14	6	11	11	8	7	10	11	10	4	9	7	1
	Males.....	68	10	3	4	9	7	3	8	6	6	4	3	5	-----
	Females..	41	4	3	7	2	1	4	2	5	4	-----	6	2	1
59	Total.....	87	9	5	3	6	10	6	5	9	10	7	6	11	-----
	Males.....	51	3	2	2	5	8	3	4	3	7	3	4	7	-----
	Females..	36	6	3	1	1	2	3	1	6	3	4	2	4	-----
60	Total.....	126	12	9	10	14	10	7	6	8	11	14	11	14	-----
	Males.....	74	7	6	7	9	7	2	2	2	7	9	6	10	-----
	Females..	52	5	3	3	5	3	5	4	6	4	5	5	4	-----
61	Total.....	82	5	3	12	11	10	3	3	6	7	7	8	7	-----
	Males.....	50	2	1	9	5	7	1	2	3	6	6	5	3	-----
	Females..	32	3	2	3	6	3	2	1	3	1	1	3	4	-----
62	Total.....	148	9	14	10	17	12	12	12	12	12	7	13	11	-----
	Males.....	88	6	8	6	9	10	6	6	9	9	5	9	5	-----
	Females..	60	3	6	4	8	2	6	6	10	3	2	4	6	-----

TABLE 52.—CONTINUED.—*Deaths by Ages, by Sex, by Months.*

AGES IN YEARS.	SEX.	Year, 1883.	MONTHS, 1883.												Unk.
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	
63.....	Total.....	142	9	8	10	14	11	13	14	12	19	10	14	8	.....
	Males.....	87	7	4	6	9	7	8	8	7	13	5	8	5	.....
	Females..	55	2	4	4	5	4	5	6	5	6	5	6	3	.....
64.....	Total.....	129	3	12	7	10	12	15	9	12	11	10	19	9	.....
	Males.....	81	1	9	4	6	11	8	6	9	5	5	12	5	.....
	Females..	48	2	3	3	4	1	7	3	3	6	5	7	4	.....
65.....	Total.....	150	15	9	11	13	8	14	15	8	14	16	12	15	.....
	Males.....	91	5	6	6	9	5	9	8	7	8	12	7	9	.....
	Females..	59	10	3	5	4	3	5	7	1	6	4	5	6	.....
66.....	Total.....	127	9	13	9	12	15	4	7	9	13	7	12	17	.....
	Males.....	70	6	7	4	6	5	3	4	5	9	2	7	12	.....
	Females..	57	3	6	5	6	10	1	3	4	4	5	5	5	.....
67.....	Total.....	123	2	7	11	15	11	8	8	7	13	14	15	12	.....
	Males.....	72	1	4	7	11	3	5	5	4	8	10	7	7	.....
	Females..	51	1	3	4	4	8	3	3	3	5	4	8	5	.....
68.....	Total.....	126	8	7	12	9	10	9	16	6	16	7	5	21	.....
	Males.....	65	4	5	2	7	4	2	9	5	8	5	3	11	.....
	Females..	61	4	2	10	2	6	7	7	1	8	2	2	10	.....
69.....	Total.....	101	7	8	3	8	12	3	4	9	10	13	11	12	.....
	Males.....	61	5	4	3	1	5	3	2	6	9	8	7	8	.....
	Females..	40	2	4	.....	7	7	.....	2	3	1	5	4	4	.....
70.....	Total.....	145	7	11	16	10	11	11	13	8	14	17	12	15	.....
	Males.....	84	6	6	12	6	7	7	6	3	6	8	7	10	.....
	Females..	61	1	5	4	4	4	4	7	5	8	9	5	5	.....
71.....	Total.....	114	6	10	12	13	5	7	10	13	10	9	11	8	.....
	Males.....	60	3	2	6	7	2	2	8	9	5	3	9	4	.....
	Females..	54	3	8	6	6	3	5	2	4	5	6	2	4	.....
72.....	Total.....	154	14	9	16	14	14	8	11	12	10	16	11	19	.....
	Males.....	92	7	6	7	7	7	6	6	5	8	15	6	12	.....
	Females..	62	7	3	9	7	7	2	5	7	2	1	5	7	.....
73.....	Total.....	137	11	13	10	9	9	11	11	10	15	8	19	11	.....
	Males.....	86	8	6	7	6	6	7	5	5	8	5	17	6	.....
	Females..	51	3	7	3	3	3	4	6	5	7	3	2	5	.....
74.....	Total.....	121	9	7	9	14	4	10	7	13	11	10	12	15	.....
	Males.....	73	4	5	6	7	2	7	5	7	6	6	10	8	.....
	Females..	48	5	2	3	7	2	3	2	6	5	4	2	7	.....
75.....	Total.....	135	7	11	16	8	7	13	13	17	11	10	10	12	.....
	Males.....	76	6	8	5	4	1	7	8	12	6	7	5	7	.....
	Females..	59	1	3	11	4	6	6	5	5	5	3	5	5	.....

TABLE 52.—CONTINUED.—*Deaths by Ages, by Sex, by Months.*

AGES IN YEARS.	Sex.	Year, 1883.	MONTHS, 1883.												
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
	Total.....	126	7	9	17	11	13	8	8	8	12	6	14	13	---
	Males.....	72	4	3	11	5	9	4	4	4	5	2	9	12	---
	Females..	54	3	6	6	6	4	4	4	4	7	4	5	1	---
	Total.....	97	9	7	9	9	12	7	6	11	4	5	12	6	---
	Males.....	58	4	5	5	2	7	6	3	10	2	4	8	2	---
	Females..	39	5	2	4	7	5	1	3	1	2	1	4	4	---
	Total.....	116	7	11	11	10	17	8	6	7	8	13	8	10	---
	Males.....	76	4	7	6	5	8	6	6	6	4	12	6	6	---
	Females..	40	3	4	5	5	9	2	---	1	4	1	2	4	---
	Total.....	94	6	8	8	5	7	6	4	8	11	5	13	13	---
	Males.....	57	3	2	5	5	6	4	1	8	6	4	6	7	---
	Females..	37	3	6	3	---	1	2	3	---	5	1	7	6	---
	Total.....	92	6	8	4	11	5	8	5	9	8	7	13	8	---
	Males.....	50	3	5	1	6	2	7	1	6	5	4	7	3	---
	Females..	42	3	3	3	5	3	1	4	3	3	3	6	5	---
	Total.....	76	6	3	5	10	8	2	4	6	3	9	13	6	1
	Males.....	50	4	3	5	7	8	1	4	3	1	4	7	2	1
	Females..	26	2	---	---	3	---	1	---	3	2	5	6	4	---
	Total.....	91	7	6	9	10	9	9	6	5	6	4	9	11	---
	Males.....	50	6	3	5	6	5	6	3	2	4	2	7	1	---
	Females..	41	1	3	4	4	4	3	3	3	2	2	2	10	---
	Total.....	89	6	7	5	11	6	7	7	9	5	8	6	12	---
	Males.....	49	4	5	2	4	5	6	4	3	3	4	4	5	---
	Females..	40	2	2	3	7	1	1	3	6	2	4	2	7	---
	Total.....	67	6	2	7	7	9	6	4	6	6	4	7	3	---
	Males.....	42	3	1	4	4	4	6	2	5	4	3	5	1	---
	Females..	25	3	1	3	3	5	---	2	1	2	1	2	2	---
	Total.....	51	3	---	7	6	2	4	3	4	4	4	6	8	---
	Males.....	29	2	---	3	5	2	2	2	4	1	3	2	3	---
	Females..	22	1	---	4	1	---	2	1	---	3	1	4	5	---
	Total.....	36	4	1	2	4	1	2	5	2	2	4	3	6	---
	Males.....	27	4	1	1	4	1	1	4	1	1	4	1	4	---
	Females..	9	---	---	1	---	---	1	1	1	1	---	2	2	---
	Total.....	34	2	4	2	6	4	2	1	2	3	4	1	3	---
	Males.....	21	1	4	2	5	1	2	---	1	1	2	---	2	---
	Females..	13	1	---	---	1	3	---	1	1	2	2	1	1	---
	Total.....	36	5	3	1	5	3	3	3	4	1	3	3	2	---
	Males.....	19	3	1	1	3	1	2	1	2	---	2	1	2	---
	Females..	17	2	2	---	2	2	1	2	2	1	1	2	---	---

TABLE 52.—CONTINUED.—*Deaths by Ages, by Sex, by Months.*

AGES IN YEARS.		Sex.	Year, 1883.	Months, 1883.												
				Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
89.....	Total.....	24	1	2	4	1	2	1	1	1	1	1	4	6	---	---
	Males.....	14	1	---	2	---	2	---	---	---	1	---	2	5	---	---
	Females..	10	---	2	2	1	---	---	1	1	---	---	2	1	---	---
90.....	Total.....	19	1	2	1	1	---	---	4	1	---	2	3	1	3	---
	Males.....	12	---	1	---	1	---	---	3	1	---	1	2	1	2	---
	Females..	7	1	1	1	---	---	---	1	---	---	1	1	---	1	---
91.....	Total.....	14	2	1	1	---	---	3	1	1	1	1	---	2	1	---
	Males.....	6	2	---	---	---	---	1	1	1	---	---	---	---	1	---
	Females..	8	---	1	1	---	---	2	---	---	1	1	---	2	---	---
92.....	Total.....	14	1	1	---	1	---	---	2	---	3	1	1	---	4	---
	Males.....	7	1	1	---	---	---	---	1	---	---	1	1	---	2	---
	Females..	7	---	---	---	1	---	---	1	---	3	---	---	---	2	---
93.....	Total.....	8	---	1	2	1	1	---	---	---	1	---	1	---	1	---
	Males.....	4	---	1	2	---	---	---	---	---	---	---	---	---	1	---
	Females..	4	---	---	---	1	1	---	---	---	1	---	1	---	---	---
94.....	Total.....	8	1	---	1	---	---	2	1	1	---	---	---	2	---	---
	Males.....	1	---	---	1	---	---	---	---	---	---	---	---	---	---	---
	Females..	7	1	---	---	---	---	2	1	1	---	---	---	2	---	---
95.....	Total.....	11	---	1	---	3	1	3	---	1	1	1	---	---	---	---
	Males.....	7	---	1	---	2	1	2	---	---	1	---	---	---	---	---
	Females..	4	---	---	---	1	---	1	---	---	---	1	1	---	---	---
96.....	Total.....	11	---	2	---	---	---	2	---	---	---	2	---	1	4	---
	Males.....	6	---	---	---	---	---	1	---	---	---	1	---	1	3	---
	Females..	5	---	2	---	---	---	1	---	---	---	1	---	---	1	---
97.....	Males.....	3	---	1	---	1	---	---	---	---	---	---	1	---	---	---
98.....	Total.....	2	---	---	---	---	---	---	---	---	2	---	---	---	---	---
	Males.....	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---
	Females..	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---
99.....	Females..	1	---	---	---	---	---	---	---	---	---	---	1	---	---	---
100.....	Total.....	4	1	---	---	---	---	---	1	---	1	---	---	---	1	---
	Males.....	2	1	---	---	---	---	---	---	---	1	---	---	---	---	---
	Females..	2	---	---	---	---	---	---	1	---	---	---	---	---	1	---
101.....	Males.....	1	---	---	---	---	---	---	---	---	---	---	---	---	1	---
102.....	Females..	1	---	---	---	1	---	---	---	---	---	---	---	---	---	---
103.....	Total.....	4	---	1	---	2	---	---	1	---	---	---	---	---	---	---
	Males.....	1	---	---	---	1	---	---	---	---	---	---	---	---	---	---
	Females..	3	---	1	---	1	---	---	1	---	---	---	---	---	---	---

TABLE 52.—CONTINUED.—*Deaths by Ages, by Sex, by Months.*

AGES IN YEARS.	SEX.	Year, 1883.	MONTHS, 1883.												
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
108.....	Females..	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	1	-----	-----	
Unknown..	Total.....	295	13	22	20	24	29	16	40	25	22	26	24	20	14
	Males.....	165	6	12	10	14	15	11	25	13	14	13	10	13	9
	Females..	126	6	10	10	10	14	5	13	11	8	13	14	7	5
	Unknown	4	1	-----	-----	-----	-----	-----	2	1	-----	-----	-----	-----	-----

INFANT MORTALITY.

More still-births were returned for the year 1883 than for any previous year since the registration in this State, corresponding to the increased number of births, so that the proportion of still-born children to all children born was not as great in 1883 as it has been in some previous years. In 1883, the per cent of still-births to total deaths (5.23) was greater than the average for ten years 1873-1882.

TABLE 53.—*The Relation of Still-births to all Deaths returned for the Years 1881, 1882, 1883, and the Average for Ten Years 1873-1882, Corrected by means of the Returns of Births.*

	TOTAL DEATHS AND STILL-BIRTHS.			
	1881.	1882.	1883.	Average for 10 Years, 1873-1882.
All deaths.....	19,236	16,425	16,906	14,318
Number of still-births.....	691	792	884	657
Per Cent of Still-births to total deaths..	3.59	4.82	5.23	4.59

TABLE 54.—*Exhibiting, by Sex, the Number of Children under One Year of Age Returned as having Died in Michigan during the Year 1883; distinguishing the Months in which they Died, their Age in Months at Death, the Months in which they were Born, and whether Born in the Year of Death or in the Previous Year.*

Months in which Births and Deaths Occurred.	NUMBER BORN IN EACH MONTH OF YEAR OF DEATH.												NUMBER OF CHILDREN WHO DIED AT EACH AGE IN MONTHS.											NUMBER BORN IN EACH MONTH OF YEAR OF DEATH.			DEATHS BY MONTHS.			ALL AGED UNDER 1 YEAR.
	Year.	Total.	Sex.	No. of each Sex.	-1.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	No. of each Sex.	Total.	Year.	OF THOSE BORN IN YEAR OF DEATH.		OF THOSE BORN IN PREVIOUS YEAR.		Total.	Sex.					
																				Sex.	Total.	Sex.	Total.							
January.....	1883.	283	Males... Females...	169 114	75 51	13 3	5 4	8 3	3 2	7 4	7 5	6 3	8 3	3 3	5 1	6 2	---	---	---	---	---	75 51	136	71 34	105	146 85	231			
February....	1883.	315	Males... Females...	175 140	73 60	10 12	10 9	7 5	8 4	9 6	4 2	6 5	6 5	7 6	4 1	3 2	6 2	8	154	1883.	---	---	82 72	164	64 45	109	146 117	263		
March.....	1883.	344	Males... Females...	178 166	86 82	22 13	15 8	7 6	10 4	8 4	10 4	7 6	6 4	2 6	4 7	7 6	8 3	11	226	1883.	---	---	123 103	226	61 49	110	184 152	336		
April.....	1883.	338	Males... Females...	180 158	99 67	21 12	13 6	8 5	8 3	3 1	7 7	7 2	8 5	5 5	1 1	6 1	14 10	24	232	1883.	---	---	141 91	232	51 34	85	192 125	317		
May.....	1883.	322	Males... Females...	171 151	84 77	13 11	8 5	9 7	8 4	4 5	2 1	3 4	3 3	2 6	6 17	25	42	122	226	1883.	---	---	122 104	226	42 23	65	164 127	291		
June.....	1883.	309	Males... Females...	189 120	83 57	19 9	7 8	8 10	7 6	5 3	4 4	4 3	4 3	4 4	26 26	52	129	225	1883.	---	---	129 96	225	31 23	54	160 119	279			
July.....	1883.	324	Males... Females...	191 133	110 68	31 11	19 15	14 12	12 11	10 8	5 5	8 6	6 9	6 9	9 22	54	212	317	1883.	---	---	212 135	347	38 34	72	250 169	419			
August.....	1883.	293	Males... Females...	168 125	109 85	27 31	21 19	20 23	19 25	17 16	8 7	10 14	15 10	4 14	17 13	40	90	245	458	1883.	---	---	245 213	458	50 44	94	295 227	552		
September..	1883.	276	Males... Females...	156 120	121 83	19 14	26 14	31 12	8 11	9 11	13 12	4 17	9 6	10 13	5 40	67	107	248	428	1883.	---	---	248 180	428	23 19	42	271 199	470		
October.....	1883.	208	Males... Females...	115 88	89 64	19 13	17 11	10 6	9 9	10 6	8 12	3 8	7 6	1 2	2 2	50	112	175	311	1883.	---	---	175 136	311	14 4	18	189 140	329		
November...	1883.	192	Males... Females...	105 87	94 77	16 12	9 9	9 5	5 4	5 4	4 7	5 4	3 5	2 1	1 3	53	126	153	288	1883.	---	---	153 135	288	3 3	6	166 138	294		
December....	1883.	182	Males... Females...	118 64	118 64	11 10	10 12	7 15	14 6	13 9	9 8	7 3	6 7	2 6	3 5	49	134	210	360	1883.	---	---	210 150	360	---	---	210 150	360		

RELATIONS OF DEATHS OF CHILDREN TO BIRTHS.

The large number of deaths among children under one year of age each year makes the subject of infant mortality one of very great interest. The following tables have been planned to throw some light upon this important subject, and to show the influence of season upon the lives of young children.

Table 55 shows, by sex, the number of children born in each month of the year 1882, and the number of these that died before the age of one year. As the still-births are included both in the returns of births and deaths they do not vitiate the showing nor destroy the relation. Of the 36,985 children who were born in 1882, 4,009 or 10.84 per cent of them died before the age of one year; that is, about 11 in every hundred, or 108 in every thousand of the children born in Michigan in 1882 died before their first birthday. In a series of ten years, 1873-1882, the average per cent of deaths of children under one year of age to births was 10.63, the lowest being 9.41 in 1879, and the highest 12.52 in 1882.

In 1883, the birth-month which had the largest per cent of deaths under one year to births was February, and that showing the least was October.

It appears also from the average for ten years, 1873-1882, that the greatest danger of death before the age of one year was to children in the first months of the year, and the least danger was to children born in the latter part of the year. Of the children born in 1882 who died aged under one year, the proportion is greater among males than among females.

The first column of Table 56 shows, for the year and for each month of the year 1882, the number of children born who died under one year of age. This table differs from the preceding one, in that it shows the distribution throughout the two years 1882 and 1883 of these children, while Table 55 shows the aggregate number only without regard to the months in which they died. For instance, both tables show that 285 children were born in January, 1882, who died under one year of age; but Table 56 shows, further, that 112 of these 285 children died in January, 20 in February, 16 in March, 11 in April, 15 in May, etc., and thus are shown the months of death of all the children born in 1882, who died under one year. The first diagonal column shows, that of the children in each month of 1882 who died under one year of age, a large proportion of them died during the month of birth. It may also be seen that of the 4,009 children born in 1882, who died under one year, 1,830 died in the month of birth, 339 lived to the age of one month, 269 lived to the age of two months, etc.

TABLE 56.—*The Months of Births and of Deaths of Children Born in 1882 who died under One Year of Age.*

MONTHS OF BIRTHS, 1882.	Born in 1882, Year of Age, Died under 1 yr.	MONTHS OF DEATHS, 1882.												Per Cent Died Aged under 1 month. ^a	Births in 1882, as Re- turned. ^b	Per Cent of Children who Died aged un- der 1 month to all Chil- dren born. ^c
		Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.			
Born in 1882, died aged under 1 yr. }	4,009	112	151	188	197	244	213	279	421	406	356	297	305	305	36,085	4.51
January	285	112	20	16	11	15	9	22	28	22	16	8	6	39.30	2,486	5.17
February	337	131	22	21	29	11	30	35	27	19	6	8	8	38.87	2,536	4.89
March	326	150	21	18	15	14	25	34	16	10	10	6	5	46.01	3,004	4.71
April	364	144	33	17	19	49	86	22	9	11	6	5	13	39.56	3,039	4.93
May	346	149	24	26	34	33	13	13	9	11	13	11	7	43.06	3,081	5.01
June	322	137	20	31	37	15	19	11	10	11	8	11	12	42.55	2,733	5.00
July	340	165	41	36	29	13	12	8	10	12	4	8	4	45.59	3,100	5.06
August	398	178	42	22	14	22	11	10	13	15	11	12	18	48.37	3,621	4.04
September	330	139	45	22	17	5	13	16	9	15	7	12	30	42.12	3,444	4.65
October	322	157	24	20	11	13	12	14	4	9	16	18	15	48.76	3,379	4.67
November	307	150	31	9	12	14	4	10	10	11	26	22	9	48.96	3,215	6.66
December	362	228	16	19	13	13	9	8	15	21	5	9	6	62.96	8,477	4.95
Deaths at each Age— No. of Deaths Aged in each Month	4,009	1830	329	230	241	216	184	207	160	165	135	126	137	45.68	-----	-----
		-1	1	2	3	4	5	6	7	8	9	10	11	-----	-----	-----

^a That is, per cent of children who died during month of birth to total born in 1882 who died aged under one year.^b Excluding 41 in unknown month, 13 males, 34 females, and 4 of unknown sex.^c That is, of the children born in 1882, the per cent who died during month of birth, according to the returns of births and deaths. It should be borne in mind that probably a larger proportion of the births and of the deaths are returned for the later months of the year.

DEATHS—BY COUNTIES, BY SEX, BY MONTHS, BY AGE.

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	1873	1874	1875	1876	1877	1878	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2433	2434	2435	2436	2437	2438	2439	2440	2441	2442	2443	2444	2445	2446	2447	2448	2449	2450	2451	2452	2453	2454	2455	2456	2457	2458	2459	2460	2461	2462	2463	2464	2465	2466	2467	2468	2469	2470	2471	2472	2473	2474	2475	2476	2477	2478	2479	2480	2481	2482	2483	2484	2485	2486	2487	2488	2489	2490	2491	2492	2493	2494	2495	2496	2497	2498	2499	2500	2501	2502	2503	2504	2505	2506	2507	2508	2509	2510	2511	2512	2513	2514	2515	2516	2517	2518	2519	2520	2521	2522	2523	2524	2525	2526	2527	2528	2529	2530	2531	2532	2533	2534	2535	2536	2537	2538	2539	2540	2541	2542	2543	2544	2545	2546	2547	2548	2549	2550	2551	2552	2553	2554	2555	2556	2557	2558	2559	2560	2561	2562	2563	2564	2565	2566	2567	2568	2569	2570	2571	2572	2573	2574	2575	2576	2577	2578	2579	2580	2581	2582	2583	2584	2585	2586	2587	2588	2589	2590	2591	2592	2593	2594	2595	2596	2597	2598	2599	2600	2601	2602	2603	2604	2605	2606	2607	2608	2609	2610	2611	2612	2613	2614	2615	2616	2617	2618	2619	2620	2621	2622	2623	2624	2625	2626	2627	2628	2629	2630	2631	2632	2633	2634	2635	2636	2637	2638	2639	2640	2641	2642	2643	2644	2645	2646	2647	2648	2649	2650	2651	2652	2653	2654	2655	2656	2657	2658	2659	2660	2661	2662	2663	2664	2665	2666	2667	2668	2669	2670	2671	2672	2673	2674	2675	2676	2677	2678	2679	2680	2681	2682	2683	2684	2685	2686	2687	2688	2689	2690	2691	2692	2693	2694	2695	2696	2697	2698	2699	2700	2701	2702	2703	2704	2705	2706	2707	2708	2709	2710	2711	2712	2713	2714	2715	2716	2717	2718	2719	2720	2721	2722	2723	2724	2725	2726	2727	2728	2729	2730	2731	2732	2733	2734	2735	2736	2737	2738	2739	2740	2741	2742	2743	2744	2745	2746	2747	2748	2749	2750	2751	2752	2753	2754	2755	2756	2757	2758	2759	2760	2761	2762	2763	2764	2765	2766	2767	2768	2769	2770	2771	2772	2773	2774	2775	2776	2777	2778	2779	2780	2781	2782	2783	2784	2785	2786	2787	2788	2789	2790	2791	2792	2793	2794	2795	2796	2797	2798	2799	2800	2801	2802	2803	2804	2805	2806	2807	2808	2809	2810	2811	2812	2813	2814	2815	2816	2817	2818	2819	2820	2821	2822	2823	2824	2825	2826	2827	2828	2829	2830	2831	2832	2833	2834	2835	2836	2837	2838	2839	2840	2841	2842	2843	2844	2845	2846	2847	2848	2849	2850	2851	2852	2853	2854	2855	2856	2857	2858	2859	2860	2861	2862	2863	2864	2865	2866	2867	2868	2869	2870	2871	2872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DEATHS OF CENTENARIANS.

The number of centenarians who were reported to have died in 1883 may be seen in Table 58, which gives the recorded facts concerning these persons, of whom 4 were males and 7 were females. Two of these individuals were born in Michigan. Of course, in some of these cases, some doubt may reasonably exist as to the accuracy of the ages returned.

TABLE 58.—Exhibiting certain Details concerning Persons returned as having died aged One Hundred Years and over during the Year 1883.

NAME OF PERSON.	SEX.	COLOR.	MARRIED, SINGLE, OR WIDOWED.	BIRTHPLACE.	AGE.			OCCUPATION.	PLACE OF DEATH.		DATE OF DEATH, 1883.		CAUSE OF DEATH.
					Years.	Months.	Days.		Town.	County.	Month.	Day.	
Margaret Powell.....	Female..	White..	Single.....	Mass.....	103	4	18	Teacher.....	Sandstone..	Jackson.....	February....	10	Gangrene of foot.
Elizabeth Davis.....	Female..	Isd.....	Married....	Michigan...	102	.....	.....	Unemployed...	Hayes.....	Charlevoix..	April.....	17	Old age.
John B. Hayden.....	Male...	White..	Unk.....	Vermont...	103	.....	.....	Pauper.....	Co. House...	Ottawa.....	April.....	16	Old age.
	Female..	White..	Widow....	Ireland....	100	.....	.....	Boarder.....	Austin.....	Sanilac.....	June.....	3	Old age.
	Female..	White..	Widow....	Holland....	103	.....	.....	Housek'p'r....	Allegan.....	Allegan.....	April.....	11	Old age.
	Female..	Black..	Widow....	New York..	108	.....	.....	Unknown....	Battle Creek	Calhoun....	November..	25	Ulcers and old age.
	Male...	White..	Widower..	Conn.....	101	3	1	Surveyor....	Amboy.....	Hillsdale..	December..	27	Old age.
	Male...	White..	Widower..	Ireland....	100	.....	.....	Laborer.....	Dover.....	Lenawee....	February...	9	Old age.
	Female..	White..	Widow....	New York..	103	8	15	Unknown....	Morenci....	Lenawee....	June.....	15	Old age.
	Female..	White..	Married...	Michigan...	100	5	20	Farmer.....	Farmingt...	Oakland....	December...	25	Old age.
	Male...	White..	Single.....	Unknown...	100	.....	.....	Pauper.....	Co. House...	Monroe....	August.....	20	Old age.

DELINQUENT TOWNSHIPS.

Each year there are a number of townships in the State whose supervisors make no returns of deaths. It is greatly to be regretted that so many of the supervisors neglect the important duty of making proper returns. Every supervisor and assessor in the State should make an official return to his county clerk whether or not any births or deaths occurred within his jurisdiction.

TABLE 59.—*Counties and Townships from which no Returns of Deaths for 1883 were received by this Department, showing Population in 1880.*

COUNTIES.	Townships from which no Returns of Deaths for 1883 were Received.	POPULATION JUNE 1, 1880.							
		Total.			Color or Race.			Nativity.	
		Total.	Males.	Females.	Total White.	Total Black and Mulatto.	Total Indian.	Total Native.	Total Foreign.
Total.....	.....	3,943	2,432	1,511	3,701	22	220	2,475	620
Crawford.....	Ball.....	66	38	28	66	.....	.....	.....	.....
Delta.....	Winona.....	78	43	35	78	.....	.....	.....	.....
Mackinac.....	Hendricks.....	434	294	140	409	.....	25	.....	.....
	Holmes.....	910	482	428	762	13	135	747	163
Montcalm.....	Home.....	1,982	1,276	706	1,981	1	.....	1,537	415
Oceana.....	Otto.....	148	94	54	140	8	.....	127	21
Schoolcraft.....	Munising.....	270	174	96	210	.....	60	.....	.....
Isle Royal.....	All townships	55	31	24	55	.....	.....	34	21

TABLE 61.—CONTINUED.—Deaths by Counties, by Sex, by Months, and by Age, 1883.

COUNTIES.	SEX.	YEAR, 1883.	MONTHS, 1883.												AGES IN PERIODS OF YEARS, 1883.																		
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Jackson.....	Total.....	354	27	24	29	35	24	26	25	43	28	32	22	27	2	87	14	7	12	19	16	17	22	13	15	20	19	15	22	22	17	14	3
	Males.....	175	17	13	14	14	8	15	11	22	10	20	13	16	2	40	9	2	5	8	7	8	10	9	8	8	6	8	11	14	13	7	3
	Females.....	179	10	11	25	21	16	11	14	21	18	12	9	11	..	47	5	5	7	11	9	9	12	4	7	12	13	7	11	8	4	7	1
Kalamazoo.....	Total.....	354	32	39	35	36	26	19	36	33	27	23	25	19	4	93	26	12	21	15	20	9	20	12	8	9	18	20	20	16	18	9	8
	Males.....	183	17	18	16	23	16	11	14	16	16	16	11	7	2	48	13	5	8	11	3	6	6	4	5	11	12	10	11	11	7	4	
	Females.....	171	15	21	19	13	10	8	22	17	11	7	14	12	2	45	13	7	13	7	9	6	14	6	4	4	7	8	10	5	7	2	4
Kalamazoo.....	Total.....	26	3	2	2	3	3	2	2	4	2	2	..	1	..	10	1	..	3	1	..	..	..	2	..	..	..	5	2	..	1	..	..
	Males.....	15	2	..	2	2	..	..	1	2	2	2	..	..	..	5	1	..	1	..	..	..	2	..	..	..	..	4	2	..	..	..	..
	Females.....	11	1	2	..	1	1	2	1	2	..	..	..	1	..	5	..	..	2	1	..	..	..	..	..	..	1	..	..	1	1	..	..
Kalamazoo.....	Total.....	849	54	57	70	77	71	62	93	64	65	65	62	81	3	315	48	30	37	47	37	34	34	30	34	21	27	31	30	29	32	25	8
	Males.....	445	30	35	32	36	30	27	50	51	41	35	30	37	2	183	21	19	17	24	19	14	12	16	13	14	21	14	12	14	15	14	3
	Females.....	403	24	22	38	40	32	35	43	39	23	30	32	44	1	131	27	11	20	23	18	20	22	14	21	7	6	17	18	15	17	11	5
Kalamazoo.....	Unknown.....	1	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Total.....	61	7	4	6	6	4	4	4	3	4	8	6	5	..	29	2	2	1	1	4	2	6	1	3	..	..	..	6	2	..	..	2
	Males.....	41	5	2	5	5	1	3	2	3	4	4	3	4	..	20	2	1	1	1	2	2	4	1	2	..	..	..	4	1	..	..	..
Kalamazoo.....	Females.....	20	2	2	1	1	3	1	2	..	..	4	3	1	..	9	..	1	1	..	2	..	2	..	1	..	..	..	2	1	..	1	..
	Total.....	23	1	2	..	3	4	1	3	4	3	1	1	..	..	8	..	..	3	2	3	1	1	..	1	..	..	1	1	1	1	2	..
	Males.....	11	1	1	2	1	3	1	1	5	2	..	1	..	1	..	1	1	1	..
Lake.....	Females.....	12	..	2	..	2	1	2	1	2	1	3	1	2	2	..	1	1	..	1	..

DEATHS—BY COUNTIES, BY SEX, BY MONTHS, BY AGE.

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	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000	1001	1002	1003	1004	1005	1006	1007	1008	1009	1010	1011	1012	1013	1014	1015	1016	1017	1018	1019	1020	1021	1022	1023	1024	1025	1026	1027	1028	1029	1030	1031	1032	1033	1034	1035	1036	1037	1038	1039	1040	1041	1042	1043	1044	1045	1046	1047	1048	1049	1050	1051	1052	1053	1054	1055	1056	1057	1058	1059	1060	1061	1062	1063	1064	1065	1066	1067	1068	1069	1070	1071	1072	1073	1074	1075	1076	1077	1078	1079	1080	1081	1082	1083	1084	1085	1086	1087	1088	1089	1090	1091	1092	1093	1094	1095	1096	1097	1098	1099	1100	1101	1102	1103	1104	1105	1106	1107	1108	1109	1110	1111	1112	1113	1114	1115	1116	1117	1118	1119	1120	1121	1122	1123	1124	1125	1126	1127	1128	1129	1130	1131	1132	1133	1134	1135	1136	1137	1138	1139	1140	1141	1142	1143	1144	1145	1146	1147	1148	1149	1150	1151	1152	1153	1154	1155	1156	1157	1158	1159	1160	1161	1162	1163	1164	1165	1166	1167	1168	1169	1170	1171	1172	1173	1174	1175	1176	1177	1178	1179	1180	1181	1182	1183	1184	1185	1186	1187	1188	1189	1190	1191	1192	1193	1194	1195	1196	1197	1198	1199	1200	1201	1202	1203	1204	1205	1206	1207	1208	1209	1210	1211	1212	1213	1214	1215	1216	1217	1218	1219	1220	1221	1222	1223	1224	1225	1226	1227	1228	1229	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DEATHS-BY COUNTIES, BY SEX, BY MONTHS, BY AGE.

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Total.....	233	13	13	14	22	25	23	23	18	26	13	13	26	2	52	7	3	13	12	10	10	10	12	8	12	7	11	19	13	17	13	1
Branch.....																																
Males.....	117	5	7	9	12	5	10	15	11	15	5	9	12	2	31	2	....	7	2	2	3	2	5	3	7	4	7	14	9	10	8	1
Females..	116	8	6	5	10	20	13	10	7	11	8	4	14	....	21	5	3	6	10	8	7	8	7	5	5	3	4	5	4	7	5	3
Total.....	354	25	26	43	28	25	24	30	37	39	33	26	27	1	97	11	8	6	22	13	14	15	13	14	10	14	22	13	30	23	28	11
Males.....	190	12	11	22	12	12	14	17	20	21	18	17	13	1	47	7	4	3	6	6	7	4	6	6	6	6	14	9	18	17	17	7
Females..	159	13	14	18	16	13	8	10	16	16	13	8	14	....	36	4	4	3	16	7	8	8	9	8	4	8	4	12	6	11	3	3
Unknown	15	....	1	3	....	....	2	3	1	2	2	1	....	....	14	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1
Total.....	132	10	9	6	9	12	17	8	9	16	16	8	12	....	33	3	4	6	6	4	2	11	3	4	6	8	6	5	9	8	13	1
Males.....	74	4	1	4	6	9	10	5	7	6	12	3	7	....	19	1	1	4	3	2	....	6	2	2	1	5	2	8	5	8	....	....
Females..	58	6	8	2	3	3	7	3	2	10	4	5	5	....	14	2	3	2	3	2	5	1	2	5	3	4	....	1	3	5	1	1
Total.....	86	....	2	6	9	6	8	7	13	8	9	12	5	1	40	7	1	5	5	10	4	2	....	....	2	1	2	1	2	....	2	2
Males.....	37	....	....	3	3	2	4	2	8	2	5	5	3	....	19	3	....	1	2	3	2	1	....	....	1	1	2	1	....	....	....	1
Females..	49	....	2	3	6	4	4	5	5	6	4	7	2	1	21	4	1	4	3	7	2	1	....	....	1	....	....	....	....	....	....	....
Total.....	63	5	....	5	3	4	5	3	6	8	8	6	9	1	27	3	4	2	2	2	3	1	....	....	2	5	2	1	....	1	5	....
Males.....	42	3	....	2	1	3	2	2	5	7	5	4	7	1	21	....	3	1	....	1	2	....	....	....	....	....	....	....	....	....	....	....
Females..	21	2	....	3	2	1	3	1	1	1	3	2	2	....	6	3	1	1	....	1	1	....	....	....	....	....	....	....	....	....	....	....
Total.....	74	5	3	4	10	5	8	8	10	6	4	4	7	....	26	11	4	4	6	3	2	2	1	1	1	2	2	3	....	....	....	....
Males.....	40	1	1	....	6	3	5	5	6	2	3	3	5	....	17	6	....	2	4	3	....	....	....	....	....	....	....	....	....	....	....	....
Females..	34	4	2	4	4	2	3	3	4	4	1	1	2	....	9	5	4	2	....	2	1	....	....	....	....	....	....	....	....	....	....	....
Total.....	21	3	....	....	3	1	1	2	1	3	2	4	....	1	8	1	1	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males.....	13	1	....	....	1	....	....	2	1	2	2	3	....	1	6	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females..	8	2	....	....	2	1	1	....	....	1	....	1	....	....	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Total.....	225	11	13	16	20	24	10	18	23	25	19	14	24	....	65	9	7	8	16	10	11	....	....	....	....	....	....	....	....	....	....	....
Males.....	113	7	8	7	9	11	7	11	13	13	12	5	10	....	30	5	5	5	3	5	5	....	....	....	....	....	....	....	....	....	....	....
Females..	113	4	5	9	11	13	12	7	10	12	7	9	14	....	35	4	2	3	13	5	6	....	....	....	....	....	....	....	....	....	....	....
Total.....	14	....	1	3	....	2	2	1	....	....	....	3	1	1	3	....	....	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....
Males.....	8	....	1	1	....	2	2	....	....	....	....	1	....	....	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females..	6	....	....	2	....	....	....	1	....	....	....	2	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....

TABLE 61.—CONTINUED.—Deaths by Counties, by Sex, by Months, and by Age, 1883.

COUNTIES.	Sex.	Year, 1883.	MONTHS, 1883.												AGES IN PERIODS OF YEARS, 1883.																			
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.	
Delta.....	Total.....	49	2	2	..	4	4	6	7	3	8	7	4	2	...	34	2	2	....	3	2	...	...	...	...	...	...	...	...	...	...	...	...	...
	Males.....	32	2	2	..	2	2	2	5	1	6	6	2	2	...	23	1	...	....	3	2	...	...	...	...	...	...	...	...	...	...	...	...	...
	Females..	17	...	...	..	2	2	4	2	2	2	2	1	2	...	11	1	2	....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Eaton.....	Total.....	278	21	17	24	25	23	18	22	22	24	35	25	20	...	65	12	15	14	10	10	8	13	9	8	15	14	18	20	9	12	18	6	...
	Males.....	145	9	9	10	17	13	9	13	9	9	20	16	11	...	36	5	6	6	3	4	3	4	4	3	10	9	13	12	5	7	12	3	...
	Females..	131	12	8	14	8	10	9	9	13	15	15	9	9	...	29	7	9	8	7	6	5	9	5	5	5	5	5	8	4	5	6	3	...
Emmet.....	Total.....	92	5	3	7	8	8	13	7	5	12	7	11	6	...	45	4	2	3	7	2	5	...	...	...	...	...	...	...	...	...	...	...	...
	Males.....	56	1	2	5	7	4	6	6	3	4	6	8	4	...	27	1	2	2	4	1	3	...	...	...	...	...	...	...	...	...	...	...	...
	Females..	36	4	1	2	1	4	7	1	2	8	1	3	2	...	18	3	...	...	1	3	1	2	...	...	...	...	...	...	...	...	...	...	...
Genesee.....	Total.....	249	21	22	26	22	28	23	16	31	24	27	30	24	...	88	10	7	15	14	17	12	12	6	12	6	13	16	19	15	18	11	3	...
	Males.....	164	13	14	11	16	12	13	7	20	11	14	21	12	...	52	3	4	4	5	7	10	5	1	9	4	9	15	10	9	7	1	...	...
	Females..	129	8	8	15	6	15	10	9	11	13	13	9	12	...	35	7	3	11	9	10	2	7	5	3	2	4	7	4	5	9	4	2	...
Gladwin.....	Unknown	1	...	...	..	...	1	..	..	..	..	..	..	..	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Total.....	6	...	1	...	...	...	...	...	3	1	1	1	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Males.....	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
G. Traverse.	Females..	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Total.....	126	6	10	12	12	17	20	10	5	5	5	12	12	...	54	15	9	8	8	4	1	7	3	2	1	6	1	3	...	...	...	...	...
	Males.....	65	5	5	7	6	8	12	7	2	1	3	5	4	...	34	7	4	5	3	1	...	2	1
Females..	61	1	5	5	6	9	8	3	3	4	2	7	8	...	20	8	5	3	5	3	1	5	2	2	1

DEATHS—BY COUNTIES, BY SEX, BY MONTHS, BY AGE.

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Gratiot.....	Total.....	93	7	4	5	8	7	4	8	11	11	11	8	9	43	5	3	4	3	3	1	1	3	5	1	5	3	2	5	1		
	Males.....																															
	Females.....	76	3	2	5	7	7	4	8	12	5	7	7	8	29	9	4	8	3	1	5	4	1	2	2	1	4	3	...			
	Unknown.....	1														1																
Hillsdale.....	Total.....	268	14	21	21	26	23	19	11	24	41	29	16	32	53	7	7	13	6	14	11	7	10	12	5	21	28	20	29	2		
	Males.....	140	6	9	13	14	11	12	5	11	22	10	10	17	33	5	4	4	2	7	3	1	3	5	4	2	12	19	13	11	1	
	Females.....	127	7	12	8	12	12	7	6	13	19	10	6	15	19	2	3	9	4	7	8	6	6	5	8	3	9	10	9	1		
	Unknown.....	1	1													1																
Houghton.....	Total.....	252	9	12	21	18	25	18	19	28	33	18	24	27	144	16	10	8	13	10	6	5	6	4	4	7	1	4	3	4	8	
	Males.....	133	6	4	12	13	15	12	11	15	10	12	11	12	71	8	7	4	8	5	2	3	3	2	3	7	1	2	1	2	3	
	Females.....	118	3	8	9	5	9	6	8	13	23	6	13	15	72	8	3	4	5	5	4	2	3	2	1	...	2	3	2	2	...	
	Unknown.....	1													1																	
Huron.....	Total.....	172	5	10	15	16	18	14	17	11	17	19	14	16	84	10	10	7	8	7	6	7	2	...	5	6	4	2	3	6	...	
	Males.....	95	4	5	5	12	8	8	12	8	8	9	6	10	47	5	6	5	5	5	3	3	...	...	3	4	2	2	1	4	...	
	Females.....	77	1	5	10	4	10	6	5	3	9	10	8	6	37	5	4	2	6	2	3	4	2	...	2	1	3	2	...	2	2	...
	Unknown.....																															
Ingham.....	Total.....	303	11	23	32	24	23	21	32	25	29	30	29	24	87	20	8	5	10	12	18	12	9	13	9	16	18	19	12	15	7	
	Males.....	159	8	15	17	10	11	13	17	14	16	14	14	10	48	9	5	2	3	5	7	3	4	5	9	6	10	7	14	6	9	7
	Females.....	144	3	8	15	14	12	8	15	11	13	16	15	14	39	11	3	3	7	7	11	9	5	8	4	3	6	11	5	6	6	...
	Unknown.....																															
Ionia.....	Total.....	269	16	18	19	36	27	30	18	15	33	17	21	19	72	18	8	17	15	11	7	8	12	11	11	13	9	14	13	18	...	
	Males.....	138	11	6	9	15	14	24	3	10	16	9	13	8	37	10	5	7	9	4	3	2	5	5	5	5	8	5	10	8	10	...
	Females.....	130	5	12	10	21	13	6	15	5	16	8	8	11	34	8	3	10	6	7	4	6	7	6	6	8	1	9	3	4	8	...
	Unknown.....	1													1																	
Iosco.....	Total.....	109	5	4	9	3	8	9	17	22	11	5	6	10	67	3	2	2	3	2	2	2	4	1	5	1	4	3	5	1	1	1
	Males.....	67	4	3	7	2	5	5	9	12	8	3	3	6	41	2	1	2	3	...	...	...	...	...	3	1	3	2	2	1	...	1
	Females.....	42	1	1	2	1	3	4	8	10	3	2	3	4	26	1	1	...	...	...	...	...	...	1	1	2	...	1	3	...	...	...
	Unknown.....																															
Isabella.....	Total.....	163	9	6	12	12	16	10	20	24	18	14	10	12	70	18	10	7	13	8	4	7	1	1	2	2	2	4	3	3	2	2
	Males.....	76	6	5	4	5	5	8	4	12	11	8	5	3	41	8	4	4	3	1	...	...	...	...	...	2	2	1	2	3	1	...
	Females.....	86	3	1	7	7	11	2	16	12	7	6	5	9	28	10	6	3	10	7	4	5	4	1	2	...	...	...	...	...	...	...
	Unknown.....	1													1																	

DEATHS—BY COUNTIES, BY SEX, BY MONTHS, BY AGE.

Lapeer.....	Total.....	242	17	18	24	27	24	16	12	19	30	14	17	23	1	71	10	3	16	10	10	10	9	6	9	7	8	10	11	12	15	6		
	Males.....	121	9	8	12	13	13	8	6	7	16	6	11	11	1	40	5	1	5	2	3	7	4	3	5	2	3	4	8	7	9	10	3	
	Females.....	120	8	10	12	14	11	8	6	12	13	8	6	12	..	30	5	2	11	8	7	12	6	1	7	4	4	2	4	3	5	3		
	Unknown.....	1	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Leelanaw.....	Total.....	82	4	2	9	3	12	6	11	7	8	11	8	1	..	38	13	4	3	5	3	2	..	3	1	..	2	1	1	3	1	2	..	
	Males.....	43	3	..	5	3	6	3	5	3	6	4	..	..	..	17	6	4	3	4	1	1	..	2	..	..	..	..	..	..	..	..	..
	Females.....	39	1	2	4	..	6	3	6	2	5	5	4	1	..	21	7	..	..	..	1	2	1	..	1	..	1	..	1	1	2	..	..
	Total.....	380	33	30	34	32	25	23	24	26	29	25	42	54	3	87	16	12	12	19	15	14	11	11	13	19	23	21	32	23	31	8	..	
Lenawee.....	Males.....	189	23	15	20	16	12	8	8	12	15	10	18	31	1	42	9	5	4	12	8	8	1	4	5	7	8	12	10	20	19	18	4	..
	Females.....	191	10	15	14	16	13	15	16	14	14	15	24	23	2	45	7	7	8	7	7	6	10	7	6	8	11	11	11	12	11	13	4	..
	Total.....	134	10	9	11	17	9	11	11	9	8	15	11	13	..	19	7	4	7	11	5	1	5	2	1	6	3	8	19	19	10	14	..	..
	Males.....	77	4	7	5	12	5	5	6	7	2	9	7	8	..	17	5	2	2	6	1	..	2	..	1	4	1	3	7	12	6	8	..	..
Livingston.....	Females.....	57	6	2	6	5	4	6	5	2	6	6	4	5	..	2	2	2	5	5	4	1	3	2	..	2	2	5	5	7	4	6	..	..
	Total.....	7	..	..	..	..	..	2	..	1	2	1	..	1	..	1	..	..	1	..	1	..	1	1	..	..	1	..	..	..	..	..	..	..
	Males.....	5	..	..	..	..	..	1	..	1	2	..	..	..	..	1	..	1	..	..	..	..	..	1	1	..	1	..	..	..	..	..	..	..
	Females.....	2	..	..	..	..	..	1	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..
Macomb.....	Total.....	334	15	24	15	34	41	25	20	27	46	25	26	34	2	107	32	13	9	17	14	9	11	12	8	8	13	13	14	13	16	18	7	..
	Males.....	174	4	15	8	17	23	13	12	13	25	10	15	18	1	67	10	8	5	6	2	3	4	7	4	5	7	6	11	9	10	4	..	..
	Females.....	160	11	9	7	17	18	12	8	14	21	15	11	16	1	40	22	5	4	11	12	6	7	5	4	3	6	7	8	2	7	8	3	..
	Total.....	198	15	9	13	17	13	23	16	24	23	14	11	20	..	119	18	3	1	8	5	4	7	7	4	1	3	6	4	1	3	4	1	..
Manistee.....	Males.....	118	8	4	6	11	10	13	9	10	15	9	10	13	..	72	8	1	1	2	3	2	4	2	4	..	3	5	4	1	3	4	1	..
	Females.....	79	6	5	7	6	3	10	7	14	8	5	1	7	..	46	10	2	..	6	2	2	3	5	..	1	..	1	..	1	..	..	..
	Unknown.....	1	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Total.....	18	..	..	3	4	2	..	2	2	2	2	1	..	9	2	..	4	..	..	..	..	..	..	1	1	..	1	..	1	..	..	..	..
Manitou.....	Males.....	11	..	..	3	1	..	..	..	2	2	2	1	..	6	2	..	2	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..
	Females.....	7	..	..	..	..	3	2	..	..	..	..	1	1	..	3	..	..	2	..	..	..	..	..	1	..	..	..	..	..	..	..	..

VITAL STATISTICS OF MICHIGAN, 1883.

TABLE 61.—CONTINUED.—Deaths by Counties, by Sex, by Months, and by Age, 1883.

COUNTIES.	Sex.	Year, 1883.	MONTHS, 1883.												AGES IN PERIODS OF YEARS, 1883.																		
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Marquette.	Total.....	360	30	27	38	22	34	28	38	41	29	24	29	20	..	178	20	8	13	22	22	15	17	6	14	10	4	4	6	7	5	3	6
	Males.....	204	20	14	20	8	20	17	20	24	16	13	20	12	..	95	11	2	6	16	15	8	12	6	9	7	4	3	3	2	1	3	
	Females..	156	10	13	18	14	14	11	18	17	13	11	9	8	..	83	9	6	7	6	7	7	5	..	5	3	..	1	3	5	4	2	3
Mason.	Total.....	107	14	3	8	13	3	7	15	8	8	10	9	8	1	53	8	4	2	2	3	6	3	1	2	3	2	2	2	2	4	3	5
	Males ..	62	8	3	4	9	3	1	7	5	6	6	6	4	..	28	5	1	1	..	2	1	3	1	2	2	1	2	2	2	2	2	5
	Females..	45	6	..	4	4	..	6	8	3	2	4	3	4	1	25	3	3	1	2	1	..	..	..	..	1	1	..	..	..	2	1	..
Mecosta.	Total.....	174	12	16	4	9	15	17	11	20	17	10	17	17	..	58	14	10	9	12	12	10	11	4	4	7	3	5	3	4	3	2	2
	Males.....	96	10	7	2	3	10	6	8	9	9	9	10	13	..	30	7	5	1	8	9	5	9	1	3	5	..	3	2	2	3	2	1
	Females..	78	2	9	2	6	5	11	3	11	8	10	7	4	..	28	7	5	8	4	3	5	2	3	1	2	3	..	3	1	1	1	1	8
Menominee.	Total.....	132	7	12	4	17	14	7	6	12	15	14	11	13	..	76	6	3	3	1	3	7	10	5	2	2	3	1	..	1	..	1	8
	Males.....	77	3	2	3	12	6	5	4	6	11	10	5	10	..	37	3	..	..	1	2	5	9	3	2	2	3	1	..	..	..	..	8
	Females..	55	4	10	1	5	8	2	2	6	4	4	6	3	..	39	3	3	2	..	1	2	1	2	..	..	..	..	..	1	1	..	..
Midland.	Total.....	88	7	9	10	5	8	5	4	6	13	10	7	4	..	33	3	3	9	2	3	7	6	3	1	2	3	1	3	2	2	3	2
	Males.....	47	4	2	7	3	6	3	2	4	8	4	2	2	..	17	2	1	4	..	1	4	4	2	1	..	3	1	2	1	1	1	2
	Females..	41	3	7	3	2	2	2	2	2	5	6	5	2	..	16	1	2	5	2	2	3	2	1	..	2	..	..	1	1	1	2	..
Missaukee.	Total.....	47	5	3	8	5	4	3	2	6	3	4	1	1	2	30	2	2	2	3	3	1	3	..	1	..	..	..	..	..	..	..	..
	Males.....	31	4	..	4	5	2	2	..	6	2	3	1	..	2	19	..	1	2	3	1	1	3	..	1	..	..	..	..	..	..	..	..
	Females..	16	1	3	4	..	2	1	2	..	1	1	..	1	..	11	2	1	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..
Monroe.	Total.....	288	9	20	17	21	30	21	10	32	34	19	22	24	..	97	9	11	14	13	9	6	8	11	9	6	8	11	14	16	9	16	1
	Males.....	149	3	10	12	11	14	14	11	19	18	12	11	14	..	55	7	5	8	4	2	4	4	5	4	5	7	6	10	9	6	8	..
	Females..	119	6	10	5	10	16	7	8	13	16	7	11	10	..	42	2	6	6	9	7	2	4	6	5	1	5	4	7	10	3	8	1

DEATHS—BY COUNTIES, BY SEX, BY MONTHS, BY AGE.

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Montcalm.....	Total.....	241	7	17	23	17	22	21	24	22	25	13	25	26	91	18	5	11	8	13	12	10	12	7	8	7	9	6	7	2	8	
	Males.....	120	4	10	12	13	7	11	10	9	12	5	14	13	50	7	3	5	3	5	3	6	6	5	3	7	3	5	1	3	2	
	Females.....	121	3	7	11	4	15	10	14	13	13	7	11	13	41	11	2	6	5	8	9	7	6	1	3	4	2	3	2	1	5	
Montmorency.....	Total.....	6	--	--	1	--	--	--	--	--	1	1	--	2	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--
	Males.....	4	--	--	--	--	--	--	--	--	1	1	--	2	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Females.....	2	--	--	1	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Muskegon.....	Total.....	270	21	18	15	24	21	14	21	36	37	20	16	25	127	15	6	13	12	7	4	13	8	9	11	8	9	8	7	5	6	2
	Males.....	145	18	6	7	13	8	6	10	18	20	14	13	11	66	5	4	7	5	3	2	10	4	4	7	6	5	5	5	3	4	--
	Females.....	124	3	12	8	11	13	8	11	17	17	6	3	14	61	10	2	6	7	4	2	3	4	5	4	2	4	3	2	2	1	--
	Unknown.....	1	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--
Newaygo.....	Total.....	152	9	5	11	9	9	19	16	21	13	7	12	20	71	20	7	2	9	8	3	3	5	6	3	3	3	3	1	2	3	
	Males.....	86	3	4	7	6	5	10	9	11	9	5	4	13	39	12	3	1	8	5	2	1	4	3	1	1	1	3	1	--	1	--
	Females.....	66	6	1	4	3	4	9	7	10	4	2	8	7	1	32	8	4	1	1	3	1	2	1	3	2	2	--	--	2	2	--
Oakland.....	Total.....	403	23	31	34	47	33	34	35	25	44	27	33	34	93	16	12	18	24	11	11	15	16	19	15	21	19	23	31	16	36	7
	Males.....	219	15	16	21	24	15	22	16	14	28	14	14	19	1	57	8	5	6	18	1	5	7	10	8	7	13	11	16	17	7	21
	Females.....	183	8	15	13	23	18	12	19	11	15	13	19	15	2	35	8	7	12	6	10	6	8	6	11	8	8	7	14	9	15	5
	Unknown.....	1	--	--	--	--	--	--	--	--	--	1	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Oceana.....	Total.....	101	4	8	7	9	9	7	7	10	11	7	8	14	42	3	6	6	1	7	2	1	5	3	5	2	4	3	4	1	6	--
	Males.....	66	--	5	6	6	7	5	4	7	10	5	4	7	20	1	2	4	--	3	--	--	4	1	4	--	4	3	4	1	5	--
	Females.....	35	4	3	1	3	2	2	3	3	1	2	4	7	12	2	4	2	1	4	2	1	1	2	1	2	--	--	--	--	1	--
Ogemaw.....	Total.....	15	1	1	--	1	1	1	2	1	1	4	2	--	8	--	1	1	1	3	--	--	--	--	--	--	1	--	--	--	--	--
	Males.....	9	--	1	--	--	1	1	1	--	--	3	2	--	5	--	1	--	1	1	--	--	--	--	--	--	1	--	--	--	--	--
	Females.....	6	1	--	--	1	--	--	--	1	1	1	1	--	3	--	--	--	1	2	--	--	--	--	--	--	--	--	--	--	--	--
Ontonagon.....	Total.....	27	3	4	1	2	3	1	1	2	5	2	3	--	14	--	--	1	3	--	1	--	--	4	2	--	1	--	1	--	--	--
	Males.....	17	3	2	1	1	2	1	1	1	1	1	1	3	--	9	--	--	1	2	--	--	--	1	2	--	1	--	1	--	--	--
	Females.....	10	--	2	--	--	1	1	--	--	--	1	4	1	--	5	--	--	1	--	1	--	--	3	--	--	--	--	--	--	--	--

Saginaw.....	Total.....	754	51	67	50	57	56	66	62	83	74	57	60	68	5	337	40	23	27	35	47	25	19	14	16	24	19	22	12	12	16	27	39	
	Males.....	418	25	30	33	28	32	35	38	40	41	26	36	41	4	182	22	15	12	21	28	12	10	8	8	17	13	13	5	4	10	17	21	
	Females..	334	25	26	17	27	24	29	23	43	32	30	23	24	1	145	18	8	15	14	19	13	9	6	8	7	6	9	7	8	6	10	16	
	Unknown	19	1	2	2	2	2	2	1	1	1	1	1	1	1	10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	
Sanilac.....	Total.....	191	10	18	16	12	21	13	18	16	17	6	21	23	1	93	11	4	12	8	5	6	7	5	3	4	4	9	1	11	6	2	2	
	Males.....	98	8	10	8	5	9	6	6	8	4	13	13	13	1	52	7	3	5	2	3	1	2	1	2	2	2	4	1	4	4	1	1	
	Females..	93	2	8	8	7	12	7	12	10	9	2	8	10	1	41	4	1	7	6	2	5	5	4	1	2	2	5	7	7	2	1	1	
	Total.....	11	2	1	1	1	1	1	1	1	2	2	2	1	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Schoolcraft.....	Males.....	5	1	1	1	1	1	1	1	1	2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	Females..	6	2	1	1	1	1	1	1	1	1	1	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Shiawassee.....	Total.....	172	8	11	13	16	13	9	11	13	17	18	22	20	1	49	6	3	7	11	8	3	2	8	7	9	3	8	3	12	12	9	9	
	Males.....	98	5	5	7	6	7	7	7	6	10	10	17	10	1	30	3	1	2	5	3	1	1	4	3	5	2	5	2	10	5	9	7	
	Females..	73	3	6	6	10	6	2	4	7	7	8	5	9	1	18	3	2	5	6	5	2	1	4	4	4	1	3	1	2	7	3	2	
	Unknown	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
St. Clair.....	Total.....	463	30	28	21	40	42	41	37	40	44	45	39	55	1	173	39	15	26	22	19	7	9	9	12	16	13	21	14	30	23	12	13	13
	Males.....	247	11	10	15	21	22	20	20	24	23	26	19	36	1	101	21	8	10	13	10	2	2	6	9	8	7	13	6	9	10	5	7	
	Females..	215	19	18	6	19	20	21	17	16	21	19	20	19	1	72	18	7	16	9	9	5	7	3	3	8	6	8	11	13	7	6	6	
	Total.....	242	22	20	26	21	25	14	18	24	12	22	18	20	1	75	6	7	7	10	10	4	11	2	5	11	2	18	12	19	21	20	2	2
St. Joseph.....	Males.....	121	14	7	9	10	11	7	9	15	7	14	8	10	1	38	3	4	4	2	4	2	7	2	2	5	1	11	6	9	13	7	1	1
	Females..	116	8	12	17	11	13	7	8	7	5	8	10	10	1	32	3	3	3	8	6	2	4	3	6	1	7	6	10	8	13	1	1	1
	Unknown	5	1	1	1	1	1	1	1	1	2	1	1	1	1	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	Total.....	246	11	12	24	27	23	12	17	28	17	19	20	33	3	104	12	5	8	17	12	7	10	7	9	10	7	7	5	13	4	5	4	4
Tuscola.....	Males.....	122	4	5	11	14	18	5	11	14	9	6	7	16	2	55	4	4	4	5	2	3	2	4	4	4	5	5	3	10	4	3	1	1
	Females..	123	7	6	13	13	5	7	6	14	8	13	13	17	1	48	8	1	4	12	10	4	8	3	5	6	2	2	2	3	2	3	2	3
	Unknown	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	Total.....	184	13	13	15	12	16	13	13	20	16	12	21	19	1	45	6	2	9	16	3	7	10	7	3	12	10	4	8	13	10	15	4	4
Van Buren.....	Males.....	88	3	8	4	6	9	5	4	10	11	4	13	11	1	28	1	1	5	7	2	5	3	2	1	4	5	3	2	7	6	4	3	3
	Females..	96	10	5	11	6	7	8	9	10	5	8	8	8	1	17	6	1	4	9	1	2	7	5	2	8	5	1	6	6	4	11	1	1

TABLE 61.—CONTINUED.—Deaths by Counties, by Sex, by Months, and by Age, 1883.

COUNTIES.	SEX.	YEAR, 1883.	MONTHS, 1883.												AGES IN PERIODS OF YEARS, 1883.																		
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Washtenaw	Total.....	342	24	23	26	41	26	22	20	34	34	35	28	27	2	75	12	10	15	13	17	16	14	7	10	8	11	23	17	33	24	30	7
	Males.....	178	10	13	12	19	14	13	15	18	18	16	15	14	1	42	4	8	8	6	5	3	2	5	5	5	7	16	11	14	13	19	5
	Females..	164	14	10	14	22	12	9	5	16	16	19	13	13	1	33	8	2	7	7	12	13	12	2	5	3	4	7	6	19	11	11	2
Wayne	Total.....	2,740	192	168	240	244	219	173	247	251	226	227	249	304	..	1,222	210	62	89	131	169	91	93	77	72	77	63	89	93	67	69	85	41
	Males....	1,547	98	93	134	138	127	110	136	147	136	118	145	165	..	685	110	32	45	71	60	51	56	52	42	40	38	57	49	36	48	45	21
	Females..	1,192	93	75	106	106	92	63	111	104	90	109	104	139	..	536	100	30	44	60	49	40	37	25	30	28	25	32	44	31	21	40	20
Wexford	Unknown	1	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Total.....	104	1	6	7	13	5	8	9	14	10	10	6	11	4	56	16	4	6	3	6	4	2	1	2	1	1	1	1	2	..	..	..
	Males.....	56	1	4	3	7	3	4	5	9	3	6	3	5	3	33	5	3	3	1	4	3	2	..	..	..	1	..	..	..	1	..	..
Females..	48	..	2	4	6	2	4	4	4	5	7	4	3	6	1	23	11	1	3	2	1	..	1	2	..	..	..	..	..	..	1	..	..

COLOR OF DECEDENTS IN MICHIGAN IN 1883.

the per cent of white decedents to all decedents in 1883 was less than the per cent of white inhabitants to all inhabitants in 1880, as shown by Table 62. On examination of the last column of the table it will be seen that the death-rate is less than the average among the white decedents, and more than the average among the other races, being the largest among the Indians. The last column of the table shows the proportion of the sexes among the different races; the largest proportion of males was among the Black, and the least among the Mulatto, being 50 males and 50 females in each 100 decedents.

TABLE 62.—Deaths Returned for the Year 1883, distinguishing the Color of each Decedent; and by Sex, the Per Cent of each Color to Total of all Colors; the Per Cent of Inhabitants of each Color to Total of All Colors; and the Per Cent of Decedents to Population.

COLORS.	Sex.	Population, June 1, 1880.	Number of Deaths Returned.	Per Cent of Deaths of each Sex to Total of Both Sexes.	Males to 100 Females.	Per Cent of Deaths of each Color to Total of All Colors, by Sex.	Per Cent of Inhabitants of each Color to Total of All Colors, by Sex, June 1, 1880.	Death-rate—Per Cent of Deaths in 1883 to Population in 1880.
All Colors.	Total.....	1,632,994	16,906	.....	.....	100.00	.....	1.04
	Males.....	859,923	9,101	54.02	117.46	100.00	.....	1.06
	Females.....	773,071	7,748	45.98	.....	100.00	.....	1.00
	Unknown.....	.....	57	.....	.....	100.00	.....	.....
White.	Total.....	1,610,859	16,582	.....	.....	98.08	98.64	1.03
	Males.....	.....	8,936	54.02	117.49	98.19	.....	.....
	Females.....	.....	7,606	45.98	.....	98.17	.....	.....
	Unknown.....	.....	40	.....	.....	70.18	.....	.....
Black.	Total.....	.....	117	.....	.....	.69	.....	.....
	Males.....	.....	64	55.17	123.08	.70	.....	.....
	Females.....	.....	52	44.83	.....	.67	.....	.....
	Unknown.....	.....	1	.....	.....	1.75	.....	.....
Mulatto.	Total.....	.....	57	.....	.....	.34	.....	.....
	Males.....	.....	28	50.00	100.00	.31	.....	.....
	Females.....	.....	28	50.00	.....	.38	.....	.....
	Unknown.....	.....	1	.....	.....	1.75	.....	.....
Indian.	Total.....	7,029	133	.....	.....	.79	.43	1.89
	Males.....	.....	73	54.89	121.67	.80	.....	.....
	Females.....	.....	60	45.11	.....	.77	.....	.....
	Unknown.....	.....	17	.....	.....	.10	.....	.....
Unknown.	Total.....	.....	.....	.....	.....	.....	.....	.....
	Males.....	.....	.....	.....	.....	.....	.....	.....
	Females.....	.....	.....	.....	.....	.....	.....	.....
	Unknown.....	.....	.....	.....	.....	26.32	.....	.....
Black and Mulatto.	Total.....	15,078	174	.....	.....	1.03	.92	1.15
	Males.....	.....	92	53.49	115.00	1.01	.....	.....
	Females.....	.....	80	46.51	.....	1.03	.....	.....
	Unknown.....	.....	2	.....	.....	3.51	.....	.....

includes 28 Asiatics.

TABLE 63.—*Exhibiting, by Number and by Sex, for the State and Counties, the Color of Decedents, returned for the Year 1883.*

STATE AND COUNTIES.	ALL COLORS, 1883.				WHITE.				BLACK.			MULATTO.			INDIAN.			UNKNOWN.		
	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.
State.....	16,906	9,101	7,748	57	16,582	8,936	7,606	40	117	64	52	1	57	28	28	1	133	73	60	17
Alcona.....	14	8	6	..	12	6	6	..	..	..	..	..	..	..	..	2	2	..	..	..
Allegan.....	352	195	157	..	343	191	152	..	2	2	..	1	1	..	..	6	2	4	..	..
Alpena.....	104	60	44	..	104	60	44	..	..	..	..	..	..	..	..	..	..	..	..	..
Antrim.....	70	37	33	1	70	37	33	1	..	..	..	..	..	..	..	..	..	..	..	..
Arenac.....	39	22	16	1	30	18	12	..	..	..	..	..	..	..	..	8	4	4	1	1
Baraga.....	34	20	14	..	24	12	12	..	..	..	..	..	..	..	..	10	8	2	..	..
Barry.....	188	100	88	..	187	99	88	..	..	..	..	1	1	..	..	..	..	..	..	..
Bay.....	511	260	251	..	502	257	245	..	1	1	..	..	..	..	..	8	3	5	..	..
Benzle.....	55	25	30	..	54	24	30	..	..	..	..	1	1	..	..	..	..	..	..	..
Berrien.....	272	136	134	2	268	135	131	2	2	2	..	1	1	..	..	1	1	..	..	..
Branch.....	233	117	116	..	232	116	116	..	..	..	..	..	..	..	..	1	1	..	..	..
Calhoun.....	364	190	159	15	344	187	150	7	6	1	4	1	5	2	3	..	..	9	..	2
Cass.....	132	74	58	..	118	66	52	..	3	2	1	..	9	5	4	..	2	1	1	..
Charlevoix..	86	37	49	..	65	24	41	..	2	2	..	..	..	..	..	19	13	6	..	..
Cheboygan..	63	42	21	..	62	41	21	..	..	..	..	..	..	..	..	1	1	..	..	..
Chippewa...	74	40	34	..	67	35	32	..	..	..	..	..	..	..	..	7	5	2	..	..
Clare.....	21	13	8	..	21	13	8	..	..	..	..	..	..	..	..	..	..	..	..	..
Clinton.....	226	113	113	..	225	113	112	..	1	1	..	..	..	..	..	..	..	..	..	..
Crawford...	14	8	6	..	14	8	6	..	..	..	..	..	..	..	..	..	..	..	..	..
Delta.....	49	32	17	..	49	32	17	..	..	..	..	..	..	..	..	..	..	..	..	..
Eaton.....	276	145	131	..	276	145	131	..	..	..	..	..	..	..	..	..	..	..	..	..
Emmet.....	92	56	36	..	62	45	17	..	..	..	..	..	..	..	..	30	11	19	..	..
Genesee.....	204	104	129	1	204	104	129	1	..	..	..	..	..	..	..	..	..	..	..	..
Gladwin....	6	3	3	..	6	3	3	..	..	..	..	..	..	..	..	..	..	..	..	..
G'd Traverse..	126	65	61	..	125	65	60	..	1	1	..	..	..	..	..	..	..	..	..	..
Gratiot.....	170	93	76	1	169	93	76	..	..	..	..	..	..	..	..	..	1	..	..	1
Hillsdale...	268	140	127	1	266	139	126	1	..	..	..	1	1	..	..	1	1	..	..	..
Houghton...	252	133	118	1	252	133	118	1	..	..	..	..	..	..	..	..	..	..	..	..
Huron.....	172	95	77	..	172	95	77	..	..	..	..	..	..	..	..	..	..	..	..	..
Ingham.....	303	159	144	..	301	159	142	..	2	2	..	..	..	..	..	..	..	..	..	..
Ionia.....	269	138	130	1	268	137	130	1	1	1	..	..	..	..	..	..	..	..	..	..
Iosco.....	109	67	42	..	109	67	42	..	..	..	..	..	..	..	..	..	..	..	..	..
Isabella.....	163	76	86	1	153	71	81	1	1	1	9	5	4
Jackson.....	354	175	179	..	347	171	176	..	5	4	1	2	2

DEATHS—BY COUNTIES, BY COLOR, BY SEX.

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TABLE 63.—CONTINUED.—Deaths by Counties, by Color, and by Sex.

COUNTIES.	ALL COLORS, 1883.				WHITE.				BLACK.			MULATTO.			INDIAN.			UNKNOWN.		
	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.
Kalamazoo..	354	183	171	..	340	176	164	..	9	4	5	..	5	3	2	..	..	..	..	..
Kalkaska.....	26	15	11	..	26	15	11	..	..	..	..	..	..	..	..	..	..	..	..	..
Kent.....	849	445	403	1	842	441	400	1	7	4	3	..	..	..	..	..	..	..	..	..
Keweenaw.....	61	41	20	..	61	41	20	..	..	..	..	..	..	..	..	..	..	..	..	..
Lake.....	23	11	12	..	23	11	12	..	..	..	..	..	..	..	..	..	..	..	..	..
Lapeer.....	242	121	126	1	240	120	119	1	2	1	1	..	..	..	..	..	..	..	..	..
Leelanaw.....	82	43	39	..	77	40	37	..	..	..	..	..	..	..	..	5	3	2	..	..
Lenawee.....	380	189	191	..	376	188	188	..	4	1	3	..	..	..	..	..	..	..	..	..
Livingston.....	134	77	57	..	133	77	56	..	1	..	1	..	..	..	..	..	..	..	..	..
Mackinac.....	7	5	2	..	7	5	2	..	..	..	..	..	..	..	..	..	..	..	..	..
Macomb.....	334	174	160	..	333	174	159	..	..	..	..	1	..	1	..	..	..	..	..	..
Manistee.....	198	118	79	1	196	118	77	1	..	..	..	..	..	..	..	2	..	2	..	..
Manitou.....	18	11	7	..	18	11	7	..	..	..	..	..	..	..	..	..	..	..	..	..
Marquette.....	360	204	156	..	360	204	156	..	..	..	..	..	..	..	..	..	..	..	..	..
Mason.....	107	62	45	..	102	60	42	..	1	1	..	..	..	..	..	4	1	3	..	..
Mecosta.....	174	96	78	..	170	94	76	..	3	2	1	..	1	..	1	..	..	..	..	..
Menominee.....	132	77	55	..	132	77	55	..	..	..	..	..	..	..	..	..	..	..	..	..
Midland.....	88	47	41	..	87	47	40	..	1	..	1	..	..	..	..	..	..	..	..	..
Missaukee.....	47	31	16	..	47	31	16	..	..	..	..	..	..	..	..	..	..	..	..	..
Monroe.....	268	149	119	..	268	149	119	..	..	..	..	..	..	..	..	..	..	..	..	..
Montcalm...	241	120	121	..	241	120	121	..	..	..	..	..	..	..	..	..	..	..	..	..
Montmorency	6	4	2	..	6	4	2	..	..	..	..	..	..	..	..	..	..	..	..	..
Muskegon...	270	145	124	1	269	144	124	1	..	..	..	1	1	..	..	..	..	..	..	..
Newaygo.....	153	86	66	..	152	86	66	..	..	..	..	..	..	..	..	..	..	..	..	..
Oakland.....	403	219	183	1	395	214	181	..	4	4	..	..	4	1	2	1	..	..	..	..
Oceana.....	101	66	35	..	98	65	33	..	..	..	..	..	..	..	..	3	1	2	..	..
Ogemaw.....	15	9	6	..	14	9	5	..	..	..	..	..	..	..	..	1	..	1	..	..
Ontonagon...	27	17	10	..	27	17	10	..	..	..	..	..	..	..	..	..	..	..	..	..
Osceola.....	124	71	49	4	124	71	49	4	..	..	..	..	..	..	..	..	..	..	..	..
Oscoda.....	6	5	1	..	6	5	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Otsego.....	40	18	22	..	40	18	22	..	..	..	..	..	..	..	..	..	..	..	..	..
Ottawa.....	362	194	165	3	361	193	165	3	1	1	..	..	..	..	..	..	..	..	..	..
Presque Isle	56	24	32	..	56	24	32	..	..	..	..	..	..	..	..	..	..	..	..	..
Roscommon.	15	10	5	..	13	9	4	..	..	..	..	..	..	..	..	2	1	1	..	..
Saginaw.....	754	418	324	12	747	417	324	6	..	..	..	..	..	..	..	1	1	..	6	6
Sanilac.....	191	96	95	..	191	96	95	..	..	..	..	..	..	..	..	..	..	..	..	..
Schoolcraft.	11	5	6	..	11	5	6	..	..	..	..	..	..	..	..	..	..	..	..	..

TABLE 63.—CONTINUED.—Deaths by Counties, by Color, and by Sex.

COUNTIES.	ALL COLORS, 1883.				WHITE.				BLACK.			MULATTO.			INDIAN.			UNKNOWN.		
	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.
Shiawassee..	172	98	73	1	172	98	73	1	—	—	—	—	—	—	—	—	—	—	—	—
St. Clair.....	463	247	216	—	462	246	216	—	1	1	—	—	—	—	—	—	—	—	—	—
St. Joseph....	242	121	116	5	240	120	115	5	—	—	—	2	1	1	—	—	—	—	—	—
Tuscola.....	246	122	123	1	246	122	123	1	—	—	—	—	—	—	—	—	—	—	—	—
Van Buren..	184	88	96	—	177	84	93	—	2	1	1	4	2	2	—	1	1	—	—	—
Washtenaw..	342	178	164	—	331	173	158	—	4	2	2	7	3	4	—	—	—	—	—	—
Wayne	2,740	1,547	1,192	1	2,670	1,500	1,169	1	51	32	19	10	6	4	—	9	9	—	—	—
Wexford....	104	56	48	—	104	56	48	—	—	—	—	—	—	—	—	—	—	—	—	—

NATIVITY OF DECEDENTS IN MICHIGAN.

The accompanying table exhibits the numbers and percentages of those who died in Michigan according to their nativity for the years 1881-1883, and the average for ten years ending with 1882. From an examination of Table 64 it will be seen that for the last few years there has been a gradual decrease in the proportion of native-born decedents, and a corresponding increase in the ratio among the foreign-born. Thus the proportional average of native-born decedents for the ten years 1873-1882, was about 80 per cent, while for the year 1883 it was only 77 per cent. The proportional average of foreign-born decedents for the same period of years was 17 per cent, while for the year 1883 it was 20 per cent.

In this connection it is well to bear in mind the fact that the term "native-born" includes nearly all the children, among whom the mortality is very great, whereas the foreign-born inhabitants are chiefly of the middle ages. It will thus be readily seen that any statement of the death-rate by nativity, based upon the total population and the total number of deaths, is unsatisfactory, because of the difference in the proportion of native and foreign-born inhabitants at different ages. When the death-rate had been compared by nativity and age in Michigan it was found that during the first thirty years of life the death-rate was greater among the native-born, but after that period the death-rate was greater among the foreign-born inhabitants.

TABLE 64.—*Nativity of Decedents in Michigan for the Years 1881-1883, and the Average for Ten Years ending with 1882.*

NATIVITY OF DECEDEENTS.	DEATHS, 1881.		DEATHS, 1882.		DEATHS, 1883.		AV. FOR TEN YEARS ENDING WITH 1882.	
	Number.	Per Cent of Total.	Number.	Per Cent of Total.	Number.	Per Cent of Total.	Number.	Per Cent of Total.
All Nativities.....	19,238	100.00	16,425	100.00	16,906	100.00	14,318	100.00
Native-born	15,402	80.06	12,848	78.22	13,077	77.35	11,406	79.66
Foreign-born	3,407	17.71	3,144	19.14	3,383	20.01	2,511	17.54
Unknown	429	2.23	433	2.64	446	2.64	401	2.80

TABLE 65.—*Exhibiting, by Number and by Sex, for the State and Counties, the Nativity of Decedents in Michigan Returned for the Year 1883.*

STATE AND COUNTIES.	ALL NATIVITIES, 1883.				NATIVE.				FOREIGN.			UNKNOWN.			
	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Total.	Males.	Females.	Unknown.
State.....	16,906	9,101	7,748	57	13,077	6,945	6,077	55	3,383	1,895	1,488	446	261	183	3
Alcona.....	14	8	6	—	10	7	3	—	3	1	2	1	—	1	—
Allegan.....	352	195	157	—	285	160	125	—	58	31	27	9	4	5	—
Alpena.....	104	60	44	—	78	46	32	—	25	14	11	1	—	1	—
Antrim.....	70	37	32	1	62	32	29	1	7	4	3	1	1	—	—
Arenac.....	39	22	16	1	32	18	13	1	7	4	3	—	—	—	—
Baraga.....	34	20	14	—	24	15	9	—	8	5	3	2	—	2	—
Barry.....	188	100	88	—	168	88	80	—	20	12	8	—	—	—	—
Bay.....	511	260	251	—	396	198	208	—	109	68	41	6	4	2	—
Benzie.....	55	25	30	—	47	20	27	—	5	3	2	3	2	1	—
Berrien.....	272	136	134	2	230	115	113	2	34	20	14	8	1	7	—
Branch.....	233	117	116	—	204	99	105	—	18	9	9	11	9	2	—
Calhoun.....	364	190	159	15	310	159	136	15	43	25	18	11	6	5	—
Cass.....	132	74	58	—	114	64	50	—	12	6	6	6	4	2	—
Charlevoix.....	86	37	49	—	74	31	43	—	5	3	2	7	3	4	—
Cheboygan.....	63	42	21	—	40	29	11	—	17	8	9	6	5	1	—
Chippewa.....	74	40	34	—	49	24	25	—	23	15	8	2	1	1	—
Clare.....	21	13	8	—	15	10	5	—	3	2	1	3	1	2	—
Clinton.....	226	113	113	—	196	94	102	—	24	17	7	6	2	4	—
Crawford.....	14	8	6	—	10	6	4	—	3	2	1	1	—	1	—

TABLE 65.—CONTINUED.—*Deaths by Counties, by Color, and by Sex.*

COUNTIES.	ALL NATIVITIES, 1883.				NATIVE.				FOREIGN.			UNKNOWN.			
	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Total.	Males.	Females.	Unknown.
Delta.....	49	32	17	---	45	29	16	---	4	3	1	---	---	---	---
Eaton.....	276	145	131	---	241	122	119	---	20	12	8	15	11	4	---
Emmet.....	92	56	36	---	77	44	33	---	13	10	3	2	2	---	---
Genesee.....	294	164	129	1	238	120	108	1	46	28	18	10	7	3	---
Gladwin....	6	3	3	---	4	2	2	---	1	1	---	1	---	1	---
G'd Traverse..	126	65	61	---	109	58	51	---	16	7	9	1	---	1	---
Gratiot.....	170	93	76	1	153	82	70	1	17	11	6	---	---	---	---
Hillsdale....	268	140	127	1	228	120	108	---	22	10	12	18	10	7	1
Houghton....	252	133	118	1	184	95	88	1	67	38	29	1	---	1	---
Huron.....	172	95	77	---	118	67	51	---	54	28	26	---	---	---	---
Ingham.....	303	159	144	---	261	135	126	---	36	19	17	6	5	1	---
Ionia.....	269	138	130	1	212	111	101	---	48	23	25	9	4	4	1
Iosco.....	109	67	42	---	79	47	32	---	26	17	9	4	3	1	---
Isabella.....	163	76	86	1	147	68	78	1	16	8	8	---	---	---	---
Jackson.....	354	175	179	---	283	144	139	---	63	27	36	8	4	4	---
Kalamazoo...	354	183	171	---	308	158	150	---	41	21	20	5	4	1	---
Kalkaska....	26	15	11	---	20	11	9	---	5	3	2	1	1	---	---
Kent.....	849	445	403	1	645	337	307	1	194	104	90	10	4	6	---
Keweenaw...	61	41	20	---	36	26	10	---	25	15	10	---	---	---	---
Lake.....	23	11	12	---	21	11	10	---	2	---	2	---	---	---	---
Lapeer.....	242	121	120	1	174	83	90	1	58	31	27	10	7	3	---
Leelanaw....	82	43	39	---	70	38	32	---	12	5	7	---	---	---	---
Lenawee.....	330	180	191	---	311	156	155	---	48	23	25	21	10	11	---
Livingston..	134	77	57	---	115	66	49	---	19	11	8	---	---	---	---
Mackinac....	7	5	2	---	6	4	2	---	1	1	---	---	---	---	---
Macomb.....	334	174	160	---	250	135	115	---	81	37	44	3	2	1	---
Manistee....	198	118	79	1	150	88	61	1	45	28	17	3	2	1	---
Manitou.....	18	11	7	---	15	10	5	---	3	1	2	---	---	---	---
Marquette...	360	204	156	---	226	115	111	---	110	75	35	24	14	10	---
Mason.....	107	62	45	---	80	41	39	---	19	13	6	8	8	---	---
Mecosta.....	174	96	78	---	132	61	71	---	42	35	7	---	---	---	---
Menominee...	132	77	55	---	93	50	43	---	36	24	12	3	3	---	---
Midland.....	88	47	41	---	70	36	34	---	15	9	6	3	2	1	---
Missaukee...	47	31	16	---	38	23	15	---	9	8	1	---	---	---	---
Monroe.....	268	149	119	---	212	109	103	---	48	32	16	8	8	---	---
Montcalm....	241	120	121	---	199	97	102	---	37	21	16	5	2	3	---

TABLE 65.—CONTINUED.—Deaths by Counties, by Color, and by Sex.

COUNTIES.	ALL NATIVITIES, 1883				NATIVE.				FOREIGN.			UNKNOWN.			
	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Total.	Males.	Females.	Unknown.
Montmorency	6	4	2	—	5	4	1	—	1	—	1	—	—	—	—
Muskegon	270	145	124	1	185	97	87	1	74	38	36	11	10	1	—
Newaygo	152	86	66	—	133	74	59	—	15	11	4	4	1	3	—
Oakland	403	219	183	1	317	169	147	1	74	44	30	12	6	6	—
Oceana	101	66	35	—	82	55	27	—	9	6	3	10	5	5	—
Ogemaw	15	9	6	—	12	8	4	—	3	1	2	—	—	—	—
Ontonagon	27	17	10	—	16	10	6	—	11	7	4	—	—	—	—
Osceola	124	71	49	4	100	58	38	4	22	13	9	2	—	2	—
Oscoda	6	5	1	—	5	4	1	—	—	—	—	1	1	—	—
Otsego	40	18	22	—	33	17	16	—	6	1	5	1	—	1	—
Ottawa	362	194	165	3	282	152	127	3	67	34	33	13	8	5	—
Presque Isle	56	24	32	—	38	15	23	—	18	9	9	—	—	—	—
Roscommon	15	10	5	—	12	8	4	—	2	2	—	1	—	1	—
Saginaw	754	418	324	12	547	303	232	12	174	96	78	33	19	14	—
Sanilac	191	96	95	—	126	70	56	—	65	26	39	—	—	—	—
Schoolcraft	11	5	6	—	9	5	4	—	2	—	2	—	—	—	—
Shiawassee	172	98	73	1	137	80	56	1	27	15	12	8	3	5	—
St. Clair	463	247	216	—	332	175	157	—	126	67	59	5	5	—	—
St. Joseph	242	121	116	5	203	102	96	5	35	19	16	4	—	4	—
Tuscola	246	122	123	1	207	106	100	1	32	13	19	7	3	4	—
Van Buren	184	88	96	—	167	79	88	—	11	7	4	6	2	4	—
Washtenaw	342	178	164	—	245	127	118	—	82	46	36	15	5	10	—
Wayne	2,740	1,547	1,192	1	1,900	1,068	831	1	790	442	348	50	37	13	—
Wexford	104	56	48	—	90	46	44	—	14	10	4	—	—	—	—

CAUSES OF DEATH, 1883.

The statistics of the causes of death in Michigan in 1883, will be found in the tables which follow. No extensive epidemic prevailed during the year, though the number of deaths returned was somewhat greater than for the previous year. This increase has been added to nearly all the various diseases, but the most notable increase over former years has been in scarlet fever and measles. By reference to Table 66 where the number of deaths has been arranged under the several great classes, it will be seen that they all bear a nearly constant ratio from year to year, with the exception of the Zymotic diseases. Whenever any marked rise in mortality occurs, it is very apt to be from the prevalence of some of the contagious diseases of this class. In 1881 Zymotic diseases caused over 35 per cent of the deaths, in 1882 it caused only 28 per cent, while for 1883 it dropped down to 26 per cent, which was 2.02 per

cent less than the average for the ten years 1873-1882. This diminution was largely the result of the decrease in the number of deaths from diphtheria, which has been reduced from 2,063 deaths in 1881, to 1,416 deaths in 1882, and 1,007 deaths in 1883. A decrease in the proportion of deaths from this class of causes would naturally be attended with a corresponding decrease in the proportion of deaths of children among whom these diseases are principally fatal. Such a decrease was noticed, as may be found by reference to Tables 48 and 49, pages 89, 90, and remarks thereon.

The proportion of deaths from constitutional diseases, on the contrary, has been increasing for the last few years, although it is still about the same as the average for ten years. This increase may be put down to consumption and cancer, both of which diseases have an increased per cent over the preceding year.

Local diseases, those affecting the brain and nervous system, show a larger proportion of deaths for 1883 than for the year 1882, though not greater than the rate for some former years.

An increase, in almost the same degree, marked the percentage of the mortality from developmental diseases, and also those from violence. As may be seen, the per cent for both these classes was greater than the average for ten years.

It is certainly gratifying to note that the number and per cent of deaths from unknown causes was much less in 1883 than for any previous year. The cause of death is often obscure even to the best of medical observation, but a little more care on the part of those who take the enumeration would avoid returning so many deaths from an unknown cause.

In 1883, 100 males and 9 females lost their lives by railroad accidents; 69 males and 22 females committed suicide; 138 males and 20 females were reported drowned; 25 males and 8 females were reported poisoned; 65 persons were burned or scalded to death; 6 from exposure; 12 from suffocation and strangulation; 1 male died from starvation; and 15 persons were murdered.

TABLE 66.—*Number of Deaths returned from All Causes, from each Class of Causes, and the Per Cent of Deaths from each Class of Causes to Deaths from All Causes for the Years 1881-1883, and the Average for ten Years 1873-1882.*

CAUSES OF DEATH,— CLASSES.	1881.		1882.		1883.		AV. FOR TEN YEARS, 1873-1882.	
	Num- ber.	Per Ct. of Total.	Num- ber.	Per Ct. of Total.	Num- ber.	Per Ct. of Total.	Num- ber.	Per Ct. of Total.
All causes.....	19,238	100.00	16,425	100.00	16,906	100.00	14,318	100.00
I.—Zymotic Diseases.....	6,793	35.31	4,718	28.73	4,397	26.01	4,013	28.03
II.—Constitutional Diseases...	2,734	14.21	2,612	15.90	2,817	16.66	2,384	16.65
III.—Local Diseases.....	5,011	26.05	4,691	28.56	4,923	29.12	4,057	28.33
IV.—Developmental Diseases...	2,033	10.57	2,067	12.58	2,339	14.01	1,634	11.41
V.—Violent Deaths.....	966	5.02	778	4.74	940	5.56	740	5.17
Unknown and Unclassified.....	1,701	8.84	1,559	9.49	1,460	8.64	1,490	10.41

TABLE 67.—*By Months, the Number of Deaths Returned in Michigan from All Causes and from each Class of Causes during the Year 1883.*

CAUSES OF DEATH,— CLASSES.	Year, 1883.	MONTHS OF DEATH, 1883.												
		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
All Causes.....	16,906	1066	1134	1374	1500	1430	1254	1439	1651	1613	1401	1397	1598	49
I.—Zymotic Diseases.....	4,397	275	274	303	339	361	290	408	536	511	396	315	379	10
II.—Constitutional Diseases ..	2,817	166	193	236	262	235	256	248	261	222	239	230	258	11
III.—Local Diseases.....	4,923	333	374	458	483	428	353	381	406	412	373	427	490	5
IV.—Developmental Diseases..	2,369	167	144	191	237	202	162	194	211	210	190	212	245	4
V.—Violent Deaths.....	940	50	29	52	67	78	82	100	99	101	87	104	86	5
Unknown and Unclassified.....	1,460	75	120	134	112	136	111	108	138	157	116	109	140	14

DEATHS IN 1883, GROUPED BY PART OF BODY DISEASED.

Diseases of the lungs stand first in the order of groups presented in Table 68, not only for each year, but also for the average for ten years. It will be noticed that for the years 1882 and 1883 diseases of the brain stand next, in order of fatality, to those of lungs, while for the average they occupy the third place, diseases of the bowels being second. Diseases of the throat dropped from third to fourth place in 1883, and also occupy the fourth place in the average.

TABLE 68.—*Order of Seven Groups of Causes of Deaths Returned for the Years 1881 to 1883, inclusive, and the Average for Ten Years 1873-1882.*

1881.			1882.			1883.			AV. FOR TEN YEARS, 1873-1882.		
Diseases of	Number.	Per Cent to All Causes.	Diseases of	Number.	Per Cent to All Causes.	Diseases of	Number.	Per Cent to All Causes.	Diseases of	Number.	Per Cent to All Causes.
All causes	19,238	100.00	All causes	16,425	100.00	All causes	16,906	100.00	All causes	14,318	100.00
Lungs.....	3,366	17.50	Lungs.....	3,123	19.01	Lungs.....	3,299	19.51	Lungs.....	2,860	19.98
Bowels.....	3,102	16.12	Brain.....	1,856	11.30	Brain.....	1,845	10.91	Bowels.....	1,834	12.81
Throat.....	2,493	12.96	Throat.....	1,814	11.04	Bowels.....	1,756	10.39	Brain.....	1,678	11.72
Brain.....	2,043	10.62	Bowels.....	1,724	10.50	Throat.....	1,389	8.22	Throat.....	1,173	8.19
Heart.....	646	3.36	Heart.....	649	3.95	Heart.....	785	4.64	Heart.....	494	3.45
Kidneys..	241	1.25	Kidneys..	273	1.66	Kidneys..	345	2.04	Kidneys..	195	1.36
Liver.....	143	.74	Liver.....	145	.88	Liver.....	140	.83	Liver.....	133	.93
7 groups..	12,034	62.55	7 groups..	9,584	58.35	7 groups..	9,559	56.54	7 groups..	8,367	58.44

DEATHS, 1883, BY CLASSES OF CAUSES, BY DIVISIONS OF THE STATE.

A comparison of the healthfulness of the various geographical divisions of the State must always be one of great interest, and hence Table 70 as in former years, has been prepared for this purpose. The distribution of mortality in the different sections of the State is very unequal, not only in the percentage to the whole number of deaths in each section, but also in proportion to the population.

Based upon the population of 1880, it is seen that the death-rate has diminished since last year in the Upper Peninsular, Northern, Western, Northern Central, and South-western divisions, while there has been an increase in the death-rate of the others. The increase in the number of inhabitants in each division should also be considered in this connection.

The South-western division shows the lowest death-rate for 1883 of all the geographical divisions, and the North-western the highest. In 1882, the divisions showing the lowest and highest, respectively, were the Central and Northern divisions.

In the State, the largest proportion of deaths was caused by local diseases, and the smallest from violent deaths. In the northern part of the State and also in the South-eastern division, it will be observed that the largest proportion of deaths was from Zymotic diseases, while in the Western, Bay and Eastern, Central, South-western, and Southern-Central divisions the largest proportion of deaths was from local diseases.

The various diseases included in each of these classes, and the counties in which they occurred, may be seen in Table 71.

TABLE 70.—*Exhibiting, by Geographical Divisions, the Number of Deaths, the Per Cent of Deaths in 1883 to Population in 1880, the Per Cent of Deaths for each Division to Total Deaths for the State, and the Per Cent of Deaths from each Class of Causes to Deaths from All Causes.*

STATE AND GEOGRAPHICAL DIVISIONS.	Popula- tion June 1, 1880, Repre- sented by Deaths in 1883.	DEATHS REPORTED, 1883.		Per Ct. of All Deaths in 1883 to Pop- ulation in 1880.	PER CENT OF DEATHS FROM EACH CLASS OF CAUSES TO DEATHS FROM ALL CAUSES, BY GEOGRAPHICAL DIVISIONS.					
		Num- ber.	Per Ct. of Total.		Class I. Zymotic Diseases.	Class II. Consti- tutional Diseases.	Class III. Local Diseases.	Class IV. Develop- mental Diseases.	Class V. Violent Deaths.	Unk. and Un- classi- fied.
STATE	1,632,994	16,906	100.00	1.04	26.01	16.66	29.12	14.01	5.56	8.64
Upper Peninsular...	83,338	1,007	5.96	1.21	23.43	11.22	23.04	16.29	11.52	14.50
North-western.....	40,342	630	3.73	1.56	33.89	9.84	20.32	15.08	4.60	11.27
Northern.....	29,519	391	2.31	1.32	24.04	14.32	23.28	13.04	7.16	18.16
North-eastern.....	24,263	310	1.83	1.28	26.45	15.48	21.29	10.97	5.16	20.65
Western.....	183,279	1,988	11.76	1.08	24.34	17.81	28.72	13.38	6.39	9.36
Northern-Central...	39,798	467	2.76	1.17	34.90	14.35	24.84	7.71	5.99	12.21
Bay and Eastern....	245,679	2,618	15.49	1.07	25.44	15.35	26.97	16.62	5.27	10.35
Central.....	293,822	2,273	13.44	.77	23.36	18.52	33.00	11.97	6.07	7.08
South-western.....	127,416	940	5.56	.74	20.85	20.00	33.94	12.77	4.36	8.08
Southern-Central...	292,306	2,537	15.01	.87	20.18	20.66	35.63	11.90	5.01	6.62
South-eastern.....	273,232	3,745	22.15	1.37	31.72	15.54	27.77	15.86	4.06	5.05

III.-1. Diseases of Nervous System	1,712	37	6	3	3	5	20	57	2	31	18	41	18	7	2	2	4	23	1	3	35	6	28	3	6		
2. Diseases of Organs of Circula't'n	775	16	3	2	1	1	7	6	1	17	17	31	5	4	3	--	1	8	--	--	16	4	19	--	4		
3. Diseases of Respiratory Organs	1,205	2	34	5	5	--	1	16	31	3	29	20	28	15	4	3	2	1	17	--	3	19	10	31	--	14	
4. Diseases of Digestive Organs ..	747	1	17	5	5	3	--	8	23	--	16	11	17	4	6	--	5	--	9	1	1	16	2	23	--	1	
5. Diseases of Urinary Organs	366	--	6	1	1	2	--	8	7	2	6	7	13	6	1	--	--	3	--	--	9	--	11	1	2	2	
6. Diseases of Generative Organs	18	--	--	--	--	--	2	--	--	--	--	--	1	--	--	--	--	1	--	--	3	--	--	--	--	----	
7. Diseases of Organs of Locomot'n	11	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	1	--	--	--	----	
8. Diseases of Integumentary Sys.	89	--	2	1	--	--	--	--	1	--	--	1	4	2	--	1	--	2	--	--	7	1	2	--	--	----	
IV.-1. Developmental Dis. of Children	1,069	1	20	11	5	3	1	5	32	14	15	11	18	5	9	2	2	3	10	1	6	9	6	12	1	10	
2. Developmental Dis. of Women.	246	2	3	3	1	1	1	4	6	1	4	2	5	2	2	--	--	3	1	1	5	3	2	--	3	3	
3. Developme't Dis. of Old People	726	--	18	2	2	--	--	3	11	--	11	15	23	6	2	1	4	1	14	--	1	17	4	12	--	2	
4. Diseases of Nutrition.....	298	--	3	--	--	--	--	12	48	--	6	4	--	--	--	1	--	4	--	--	2	--	3	--	1	1	
V.-1. Accident or Negligence.....	525	1	4	3	1	2	6	2	20	3	2	5	11	3	2	3	4	2	13	--	5	12	9	6	--	2	2
2. Battle.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
3. Homicide	18	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
4. Suicide.....	91	1	--	--	--	1	--	1	2	1	2	1	2	4	1	--	--	1	1	--	1	--	1	--	-----	-----	
5. Execution.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
6. Violent Deaths	306	1	9	2	3	2	--	6	8	1	3	4	6	2	2	2	2	4	1	2	2	2	3	-----	-----	-----	
CLASS I.-ZYMOTIC	4,397	91	24	90	9	13	49	147	12	49	38	57	22	19	14	34	7	51	4	9	56	12	67	-----	53	-----	
I.-ORDER 1. Miasmatic	4,352	90	23	90	9	13	49	147	12	49	38	56	22	19	14	33	6	51	4	9	55	12	67	-----	53	-----	
1. Small-pox	7	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
2. Measles.....	258	13	2	2	-----	-----	4	10	-----	1	2	5	3	3	2	--	--	3	1	-----	2	3	2	-----	-----	-----	
3. Scarlatina.....	673	9	3	8	3	--	7	15	6	-----	10	1	1	4	-----	-----	-----	1	-----	-----	13	2	2	-----	-----	40	
4. Diphtheria.....	1,007	14	1	10	1	--	14	22	1	14	1	4	1	6	6	14	--	14	-----	-----	13	1	16	-----	-----	1	
5. Quinsy	14	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	-----	-----	-----	
6. Croup	336	9	2	--	1	1	4	15	1	5	1	7	3	--	1	2	1	3	--	2	3	1	3	-----	-----	-----	

TABLE 71.—CAUSES OF DEATH.—NOSOLOGICAL ARRANGEMENT.
Exhibiting the Number of Reported Deaths in Michigan and in each County of the State during the year 1883, from Specified Causes, Statistically Classified. (Still-births Included.)

CAUSES OF DEATH, 1883.	COUNTIES, 1883.																
	State.	Alcona.	Allegan.	Alpena.	Antrim.	Arenac.	Baraga.	Barry.	Benzie.	Berrien.	Branch.	Cass.	Charlevoix.	Cheboygan.	Chippewa.	Clare.	Clinton.
All Causes.....	16,906	14	352	104	70	39	34	188	511	55	272	253	324	132	86	63	14
Specified Causes.....	15,520	8	324	84	64	36	34	177	479	51	249	214	333	121	72	44	12
Causes not Specified.....	1,386	6	28	20	6	3	2	11	32	4	23	19	31	11	14	19	2
CLASSES.																	
I.—Zymotic Diseases.....	4,397	---	91	24	30	9	13	49	147	12	49	38	57	22	19	14	53
II.—Constitutional Diseases.....	2,817	---	62	17	6	9	4	34	82	11	58	60	75	27	13	10	16
III.—Local Diseases.....	4,923	3	112	21	16	9	7	61	125	8	99	74	136	56	22	9	27
IV.—Developmental Diseases.....	2,339	3	44	16	8	4	2	24	97	15	36	32	46	13	13	4	16
V.—Violent Deaths.....	940	2	14	5	4	4	6	9	28	5	7	10	19	9	5	5	9
Unclassified.....	74	1	1	1	---	1	---	---	---	---	---	---	---	2	3	---	---
ORDERS.																	
I.—1 Miasmatic Diseases.....	4,352	---	90	23	30	9	13	49	147	12	49	38	56	22	19	14	53
2. Enthetic Diseases.....	12	---	1	1	---	---	---	---	---	---	---	---	---	---	---	---	---
3. Dietic Diseases.....	26	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4. Parasitic Diseases.....	7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
II.—1 Diathetic Diseases.....	723	---	16	2	2	1	1	8	16	1	19	14	19	10	4	2	4
2 Tubercular Diseases.....	2,004	---	46	15	4	8	3	26	66	10	39	46	56	17	9	8	13

III.—1. Diseases of Nervous System.....	1,112	.....	341	6	3	3	5	20	57	2	31	18	41	18	7	2	2	3	1	3	351	6	28	0
2. Diseases of Organs of Circulat'n	775	.....	16	3	2	1	1	7	6	1	17	17	31	5	4	3	.....	.....	1	8	.....	16	4	19
3. Diseases of Respiratory Organs	1,205	2	34	5	5	.....	1	16	31	3	29	20	28	15	4	3	2	1	17	.....	3	19	10	31
4. Diseases of Digestive Organs ..	747	1	17	5	5	3	.....	8	23	.....	16	11	17	4	6	.....	5	.....	9	1	1	16	2	22
5. Diseases of Urinary Organs.....	366	.....	6	1	1	2	.....	8	7	2	6	7	13	6	1	.....	.....	.....	3	.....	9	.....	11	1
6. Diseases of Generative Organs	18	.....	.....	.....	.....	.....	.....	2	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	1	.....	3	.....	.....	.....
7. Diseases of Organs of Locomot'n	11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....
8. Diseases of Integumentary Sys.	89	.....	2	1	.....	.....	.....	.....	1	.....	.....	1	4	2	.....	1	.....	.....	2	.....	7	1	2	.....
IV.—1. Developmental Dis. of Children	1,069	1	20	11	5	3	1	5	32	14	15	11	18	5	9	2	2	3	10	1	6	9	6	12
2. Developmental Dis. of Women.	246	2	3	3	1	1	1	4	6	1	4	2	5	2	2	.....	.....	.....	3	1	1	5	3	2
3. Developme't Dis. of Old People	726	.....	18	2	2	.....	.....	3	11	.....	11	15	23	6	2	1	4	1	14	.....	1	17	4	12
4. Diseases of Nutrition.....	298	.....	3	.....	.....	.....	.....	12	48	.....	6	4	.....	.....	.....	1	.....	.....	4	.....	2	.....	3	1
V.—1. Accident or Negligence.....	525	1	4	3	1	2	6	2	20	3	2	5	11	3	2	3	4	2	13	.....	5	12	9	6
2. Battle.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3. Homicide	18	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
4. Suicide.....	91	.....	1	.....	.....	.....	.....	1	.....	1	2	1	2	4	1	.....	.....	.....	1	1	.....	1	.....	.....
5. Execution.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
6. Violent Deaths	306	1	9	2	3	2	.....	6	8	1	3	4	6	2	2	2	2	.....	4	1	2	2	2	3
CLASS I.—ZYMOTIC	4,397	.....	91	24	30	9	13	49	147	12	49	38	57	22	19	14	34	7	51	4	9	56	12	67
I.—ORDER 1. Miasmatic	4,352	.....	90	23	30	8	13	49	147	12	49	38	56	22	19	14	33	6	51	4	9	55	12	67
1. Small-pox	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
2. Measles.....	258	.....	13	2	2	.....	.....	4	10	.....	1	2	5	3	3	2	.....	.....	3	1	.....	2	3	2
3. Scarlatina.....	673	.....	9	3	8	3	.....	7	15	6	.....	10	1	1	4	.....	.....	.....	1	.....	13	2	2	
4. Diphtheria.....	1,007	.....	14	1	10	1	.....	14	22	1	14	1	4	1	6	6	14	.....	14	.....	13	1	16	
5. Quinsy	14	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
6. Croup	336	.....	9	2	.....	1	1	4	15	1	5	1	7	3	.....	1	2	1	3	.....	2	3	1	3

TABLE 71.—CONTINUED.—*Causes of Death, Classified.*

CAUSES OF DEATH, —1883	COUNTIES, 1883.																									STATE.
	Alcona.	Allegan.	Alpena.	Antrim.	Arenac.	Baraga.	Barry.	Bay.	Benzie.	Berrien.	Branch.	Calhoun.	Cass.	Charlevoix.	Cheboygan.	Chippewa.	Clare.	Clinton.	Crawford.	Delta.	Eaton.	Emmet.	Genesee.	Gladwin.	Grand Traverse.	
a. Phthisis (Consumption of Lungs)	2,016	46	15	4	8	3	92	66	10	39	43	56	17	9	8	11	---	32	2	---	32	10	45	---	11	
Hydrocephalus.....	10	---	---	---	---	---	1	---	---	---	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
"varum.....	9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
—LOCAL DISEASES.....	4,923	3	112	21	16	9	7	61	125	8	99	74	136	50	92	9	9	6	63	2	7	105	23	114	4	27
m 1. Nervous System.....	1,712	---	37	6	3	3	5	26	57	2	31	18	41	18	7	2	2	4	23	1	3	35	6	28	3	6
alitia.....	293	10	---	---	---	---	2	3	8	1	7	1	7	1	1	---	---	2	2	---	2	---	1	3	---	---
oxy.....	85	---	---	---	---	---	---	2	---	---	5	5	1	1	---	---	---	1	---	---	1	---	---	---	---	---
sis.....	351	8	1	---	1	---	6	4	---	10	3	11	9	---	---	---	---	4	---	1	9	1	12	---	2	---
ty.....	23	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
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my.....	45	---	---	---	---	---	---	4	---	4	---	---	1	---	---	---	---	1	---	---	---	---	2	---	---	---
se.....	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---
valions.....	344	6	4	2	1	1	3	17	---	1	3	4	1	3	---	1	---	3	---	---	1	---	1	---	---	2
Ma Disease.....	296	9	1	---	1	2	6	10	1	7	6	7	3	2	---	---	---	8	---	---	11	1	3	---	1	---
opay of Brain.....	38	1	---	---	---	---	---	2	---	---	---	---	---	---	---	---	---	---	---	1	3	---	---	---	---	---
sal Fever.....	104	1	---	---	---	---	2	3	---	1	---	2	2	---	1	---	2	3	---	---	1	3	---	---	---	---
ped Fever.....	3	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
alagitis.....	20	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
enagitis, Cerebro-spinal.....	17	---	1	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---
Measles, Spinal.....	83	1	---	---	---	---	---	7	---	---	---	5	---	---	---	---	---	---	---	---	9	---	1	---	---	---

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Organ.	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	
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III.—ORDER 6. Genitive Organs.....	18																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				</
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TABLE 71.—CONTINUED.—*Causes of Death, Classified.*

CAUSES OF DEATH.—1883.		COUNTIES, 1883.																										
		Gratiot.	Hillsdale.	Houghton.	Huron.	Ingham.	Irona.	Iosco.	Isabella.	Jackson.	Kalamazoo.	Kalamaska.	Kent.	Keweenaw.	Lake.	Lapeer.	Leelanaw.	Lenawee.	Livingson.	Mackinac.	Macomb.	Manistee.	Manitou.	Marquette.	Mason.	Meosta.	Menominee.	Midland.
All Causes.....		170	208	252	172	303	289	169	163	354	354	26	849	61	23	242	82	380	134	7	334	198	18	360	107	174	132	86
Specified Causes.....		154	253	207	141	281	257	97	146	343	339	21	807	58	22	222	72	339	122	7	316	170	17	315	94	153	111	78
Causes not Specified.....		16	15	45	31	22	12	12	17	11	15	5	42	3	1	20	10	41	12	....	18	28	1	45	13	21	21	10
CLASSES.																												
I.—Zymotic Diseases.....		50	52	45	30	75	61	32	66	63	111	6	108	9	7	61	34	80	30	....	92	63	11	80	33	58	38	24
II.—Constitutional Diseases.....		22	50	31	24	56	53	19	25	83	73	6	175	9	5	52	6	73	30	4	58	13	....	34	10	28	13	12
III.—Local Diseases.....		58	107	56	44	95	91	29	35	144	98	7	282	20	8	43	11	120	43	2	100	53	3	97	23	42	23	28
IV.—Developmental Diseases.....		14	32	59	34	38	27	9	13	28	35	1	105	11	2	31	12	39	10	1	49	34	3	61	17	9	10	8
V.—Violent Deaths.....		10	12	16	7	17	24	5	6	24	15	1	45	9	....	12	9	27	8	....	17	7	....	43	10	11	24	6
Unclassified.....		....	....	....	2	....	1	3	1	1	7	....	2	....	....	3	....	....	1	....	....	....	....	....	1	5	3	....
ORDERS.																												
I.—1. Miasmatic Diseases.....		50	52	45	29	75	61	32	66	57	110	6	108	9	7	61	34	79	30	....	80	63	11	78	33	58	38	24
2. Enanthic Diseases.....		....	....	....	....	....	....	....	....	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
3. Dietic Diseases.....		....	....	....	1	....	....	....	....	3	....	....	....	....	....	....	....	1	....	....	3	....	....	2	....	....	....	....
4. Parasitic Diseases.....		....	....	....	....	....	....	....	....	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
II.—1. Diathetic Diseases.....		7	11	8	6	16	6	8	3	19	18	3	38	2	1	22	1	22	8	1	16	5	....	0	2	10	3	1
2. Tubercular Diseases.....		15	39	23	18	40	47	11	22	64	53	3	137	7	4	30	5	51	22	3	42	8	....	28	8	18	10	11

III.—1. Diseases of various systems.																														
2. Diseases of Organs of Circulat'n																														
3. Diseases of Respiratory Organs																														
4. Diseases of Digestive Organs																														
5. Diseases of Urinary Organs																														
6. Diseases of Generative Organs																														
7. Diseases of Organs of Locomot'n																														
8. Diseases of Integumentary Sys.																														
IV.—1. Developmental Dis. of Children																														
2. Developmental Dis. of Women.																														
3. Developmental Dis. of Old People																														
4. Diseases of Nutrition																														
V.—1. Accident or Negligence																														
2. Battle																														
3. Homicide																														
4. Suicide																														
5. Execution																														
6. Violent Deaths																														
CLASS I.—ZYMOTIC																														
1.—ORDER 1. Miasmatic.																														
1. Small-pox																														
2. Measles																														
3. Scarlatina																														
4. Diphtheria																														
5. Quinsy																														
6. Croup																														

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TABLE 71.—CONTINUED.—Causes of Death, Classified.

CAUSES OF DEATH, —1883.		COUNTIES, 1883.																	
		Gratiot.	Hillsdale.	Houghton.	Huron.	Ingham.	Irona.	Iosco.	Isabella.	Jackson.	Kalamazoo.	Kalamazoo.	Kalamazoo.	Kalamazoo.	Kalamazoo.	Kalamazoo.	Kalamazoo.	Kalamazoo.	Kalamazoo.
I. Child-birth.	1	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	2.	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	3.	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
IV.—ORDER 3. Dev. Dis. of Old People	1.	26	7	5	16	14	3	4	14	12	1	27	1	27	1	27	1	27	1
	2.	26	7	5	16	14	3	4	14	12	1	27	1	27	1	27	1	27	1
	3.	26	7	5	16	14	3	4	14	12	1	27	1	27	1	27	1	27	1
IV.—ORDER 4. Diseases of Nutrition.	1.	1	5	6	3	1	1	1	1	3	6	24	1	24	1	24	1	24	1
	2.	1	5	6	3	1	1	1	1	3	6	24	1	24	1	24	1	24	1
	3.	1	5	6	3	1	1	1	1	3	6	24	1	24	1	24	1	24	1
V.—ORDER 1. Accident or Negligence.	1.	10	12	16	7	17	24	5	6	24	15	1	45	1	45	1	45	1	45
	2.	5	8	5	4	8	13	5	3	15	8	20	5	20	5	20	5	20	5
	3.	2	3	1	1	1	4	2	1	5	3	7	1	7	1	7	1	7	1
V.—ORDER 2. In Battle.	1.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	2.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	3.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
V.—ORDER 3. Homicide.	1.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	2.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	3.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
V.—ORDER 4. Diseases of Nutrition.	1.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	2.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	3.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
V.—ORDER 5. Diseases of Nutrition.	1.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	2.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	3.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
V.—ORDER 6. Diseases of Nutrition.	1.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	2.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	3.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
V.—ORDER 7. Diseases of Nutrition.	1.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	2.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	3.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
V.—ORDER 8. Diseases of Nutrition.	1.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	2.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	3.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
V.—ORDER 9. Diseases of Nutrition.	1.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	2.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	3.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
V.—ORDER 10. Diseases of Nutrition.	1.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	2.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	3.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
V.—ORDER 11. Diseases of Nutrition.	1.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	2.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	3.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
V.—ORDER 12. Diseases of Nutrition.	1.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	2.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	3.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
V.—ORDER 13. Diseases of Nutrition.	1.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	2.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	3.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
V.—ORDER 14. Diseases of Nutrition.	1.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	2.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	3.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
V.—ORDER 15. Diseases of Nutrition.	1.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	2.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	3.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
V.—ORDER 16. Diseases of Nutrition.	1.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	2.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	3.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
V.—ORDER 17. Diseases of Nutrition.	1.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	2.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	3.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
V.—ORDER 18. Diseases of Nutrition.	1.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	2.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	3.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
V.—ORDER 19. Diseases of Nutrition.	1.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	2.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	3.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
V.—ORDER 20. Diseases of Nutrition.	1.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	2.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	3.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
V.—ORDER 21. Diseases of Nutrition.	1.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	2.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	3.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
V.—ORDER 22. Diseases of Nutrition.	1.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	2.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	3.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
V.—ORDER 23. Diseases of Nutrition.	1.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	2.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	3.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
V.—ORDER 24. Diseases of Nutrition.	1.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	2.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	3.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
V.—ORDER 25. Diseases of Nutrition.	1.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	2.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	3.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
V.—ORDER 26. Diseases of Nutrition.	1.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	2.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	3.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
V.—ORDER 27. Diseases of Nutrition.	1.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	2.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	3.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
V.—ORDER 28. Diseases of Nutrition.	1.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	2.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	3.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
V.—ORDER 29. Diseases of Nutrition.	1.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	2.	1	1	1	1														

CAUSES OF DEATH, CLASSIFIED.

[illegible]

III.—1. Diseases of Nervous System.....	23	22	31	11	47	9	3	1	12	4	41	1	1	02	23	25	49	28	16	17	42	281	6		
2. Diseases of Organs of Circulat'n.....	12	14	13	7	24	4	.....	.....	1	.....	11	1	.....	29	8	7	20	18	13	8	18	124	1	
3. Diseases of Respiratory Organs.....	3	7	20	1	14	11	24	7	2	9	6	17	1	46	13	1	6	24	23	21	16	25	210	11	
4. Diseases of Digestive Organs.....	1	11	10	2	11	7	22	5	2	9	1	13	2	40	5	2	3	20	13	8	7	25	53	2	
4. Diseases of Urinary Organs.....	1	4	4	11	2	1	3	1	1	4	10	3	1	7	9	10	8	10	16	35	1
6. Diseases of Generative Organs.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3	.....	1	.....	1	.....	1	.....
7. Diseases of Organs of Locomot'n.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	1	4	.....	
8. Diseases of Integumentary Sys.	1	1	1	.....	4	.....	.....	1	1	1	.....	.....	.....	1	3	1	1	3	2	1	.....	3	12	.....
IV.—1. Developmental Dis. of Children.....	4	33	16	1	18	8	32	7	1	3	22	9	30	1	1	61	15	47	24	8	11	10	209	7	
2. Developmental Dis. of Women.....	1	6	6	.....	4	2	4	1	1	.....	1	8	1	.....	14	2	3	7	2	8	1	6	29	2
3. Developme't Dis. of Old People.....	16	12	1	6	2	24	4	.....	1	5	.....	16	.....	44	5	16	15	16	8	12	23	121	1	
4. Diseases of Nutrition.....	5	.....	.....	1	2	2	.....	.....	2	2	.....	3	.....	22	1	1	5	3	7	3	6	64	.....	
V.—1. Accident or Negligence.....	3	11	6	.....	13	6	9	2	1	1	9	1	.....	36	3	2	10	14	4	5	7	7	65	2
2. Battle.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3. Homicide.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	2	.....	1	2	.....	.....	3	.....	
4. Suicide.....	1	1	.....	2	.....	2	1	.....	.....	.....	.....	1	1	2	.....	1	2	1	2	1	.....	12	.....	
5. Execution.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
6. Violent Deaths.....	1	2	4	10	4	4	2	.....	1	4	.....	4	.....	2	12	3	3	3	3	3	3	4	26	.....
CLASS I.—ZYMOTIC.....	21	60	59	54	55	91	19	6	5	22	1	9	36	19	8	183	39	33	128	36	69	34	75	945	51
I.—ORDER 1. Miasmatic.....	21	60	58	53	54	91	19	6	5	21	1	9	36	19	8	178	39	33	127	35	69	34	74	933	50
1. Small-pox.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	.....
2. Measles.....	4	3	6	2	2	9	1	1	.....	.....	2	4	.....	6	16	9	3	10	2	3	4	1	21	1
3. Scarlatina.....	9	7	22	5	16	6	6	.....	2	1	1	10	18	.....	6	1	1	30	.....	17	1	18	83	20
4. Diphtheria.....	2	5	3	6	14	35	4	1	.....	4	.....	17	.....	26	11	.....	4	43	7	10	6	5	348	6
5. Quinsy.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	.....
6. Croup.....	5	1	4	4	1	1	4	20	2	8	1	5	3	9	140	1

[illegible]

TABLE 71.—CONTINUED.—*Causes of Death, Classified.*

CAUSES OF DEATH,—1883.		COUNTIES, 1883.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
		Missaukee.	Monroe.	Montcalm.	Montmorency.	Muskegon.	Newaygo.	Oakland.	Oceana.	Ogemaw.	Ontonagon.	Oscoda.	Oscoda.	Ontonagon.	Oscoda.	Ontonagon.	Oscoda.	Ontonagon.	Oscoda.	Ontonagon.	Oscoda.	Ontonagon.	Oscoda.	Ontonagon.	Oscoda.	Ontonagon.	Oscoda.	Ontonagon.	Oscoda.	Ontonagon.	Oscoda.	Ontonagon.	Oscoda.	Ontonagon.	Oscoda.	Ontonagon.	Oscoda.	Ontonagon.	Oscoda.	Ontonagon.	Oscoda.	Ontonagon.	Oscoda.	Ontonagon.	Oscoda.	Ontonagon.	Oscoda.	Ontonagon.	Oscoda.	Ontonagon.	Oscoda.	Ontonagon.	Oscoda.	Ontonagon.	Oscoda.	Ontonagon.	Oscoda.	Ontonagon.	Oscoda.	Ontonagon.	Oscoda.	Ontonagon.	Oscoda.	Ontonagon.	Oscoda.	Ontonagon.	Oscoda.	Ontonagon.	Oscoda.	Ontonagon.	Oscoda.	Ontonagon.	Oscoda.	Ontonagon.	Oscoda.	Ontonagon.	Oscoda.	Ontonagon.	Oscoda.	Ontonagon.	Oscoda.	Ontonagon.	Oscoda.	Ontonagon.	Oscoda.	Ontonagon.	Oscoda.	Ontonagon.	Oscoda.	Ontonagon.	Oscoda.	Ontonagon.	Oscoda.	Ontonagon.	Oscoda.	Ontonagon.	Oscoda.	Ontonagon.	Oscoda.	Ontonagon.	Oscoda.	Ontonagon.	Oscoda.	Ontonagon.	Oscoda.	Ontonagon.	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[illegible]

[illegible]

CAUSES OF DEATH, CLASSIFIED.

165

[illegible]

TABLE 73.—CONTINUED.—Specified Causes of Death.

[illegible]

[illegible]

CAUSES OF DEATH, SPECIFIED.

171

Total.....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000	1001	1002	1003	1004	1005	1006	1007	1008	1009	1010	1011	1012	1013	1014	1015	1016	1017	1018	1019	1020	1021	1022	1023	1024	1025	1026	1027	1028	1029	1030	1031	1032	1033	1034	1035	1036	1037	1038	1039	1040	1041	1042	1043	1044	1045	1046	1047	1048	1049	1050	1051	1052	1053	1054	1055	1056	1057	1058	1059	1060	1061	1062	1063	1064	1065	1066	1067	1068	1069	1070	1071	1072	1073	1074	1075	1076	1077	1078	1079	1080	1081	1082	1083	1084	1085	1086	1087	1088	1089	1090	1091	1092	1093	1094	1095	1096	1097	1098	1099	1100	1101	1102	1103	1104	1105	1106	1107	1108	1109	1110	1111	1112	1113	1114	1115	1116	1117	1118	1119	1120	1121	1122	1123	1124	1125	1126	1127	1128	1129	1130	1131	1132	1133	1134	1135	1136	1137	1138	1139	1140	1141	1142	1143	1144	1145	1146	1147	1148	1149	1150	1151	1152	1153	1154	1155	1156	1157	1158	1159	1160	1161	1162	1163	1164	1165	1166	1167	1168	1169	1170	1171	1172	1173	1174	1175	1176	1177	1178	1179	1180	1181	1182	1183	1184	1185	1186	1187	1188	1189	1190	1191	1192	1193	1194	1195	1196	1197	1198	1199	1200	1201	1202	1203	1204	1205	1206	1207	1208	1209	1210	1211	1212	1213	1214	1215	1216	1217	1218	1219	1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TABLE 73 —CONTINUED.—Specified Causes of Death.

SEX.	MONTHS, 1883.												YEARS.					AGES IN PERIODS OF YEARS.—1883.																																						
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1883.	1882.	1881.	1880.	1879.	1878.	CAUSES OF DEATH.																																				
																				Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.																			
Total.....	7	6	9	9	13	9	7	6	3	6	1	7	..	83	98	61	48	45	42	Bronchitis.....																		51	3	1	..	2	1	..	1	5	1	3	1	2	4	3	2	
Males.....	5	2	4	6	6	3	5	4	2	2	1	4	..	44	55	33	23	24	22	".....																		27	2	1	4	1	1	..	1	2	3	1			
Females..	2	4	5	3	7	6	2	2	1	4	..	3	..	39	43	28	25	21	20	".....																		24	1	..	2	1	..	1	2	1	2	..	2	1				
Total.....	5	4	3	6	..	1	2	4	10	6	45	31	144	28	43	39	Burns.....																		30	7	3	6	1	2	..	1	2	2	..	1	..			
Males.....	3	..	1	1	..	1	1	4	2	4	2	19	13	69	11	18	17	".....																		10	2	..	2	1	2	..	1	2	2	..	1	..			
Females..	2	4	2	5	1	..	2	6	4	26	18	75	17	25	22	".....																		10	5	3	4	2	2				
Total.....	16	26	16	31	12	34	46	37	29	51	48	34	3	383	301	310	284	272	269	Cancer.....																		11	2	2	1	6	13	5	23	27	48	35	51	43	27	36	6	9		
Males.....	5	5	4	14	7	16	22	17	12	21	22	15	..	160	139	112	111	124	116	".....																		4	1	1	..	2	2	2	6	13	14	22	27	29	9	17	4	5		
Females..	11	21	12	17	5	18	24	20	17	30	26	19	3	223	162	198	173	148	153	".....																		7	1	1	4	11	3	21	21	35	24	23	14	18	9	2	4			
Total.....	1	1	2	..	1	3	4	5	1	1	2	21	29	44	25	23	25	Canker (Noma).....																		20	1	
Males.....	1	1	1	1	1	1	1	1	2	13	12	21	13	14	11	".....																		13	
Females..	1	1	..	1	..	1	2	3	8	17	23	11	9	14	".....																		7	1	
Unknown	1	".....																		
Total.....	1	1	..	1	2	..	4	1	Capsule, Renal.....																		1	..	1	
Males.....	1	1	1	..	3	".....																		1	
Females..	1	..	1	..	1	..	".....																		
Total.....	1	..	1	2	2	..	2	..	5	4	2	3	1	1	Carbuncle.....																		..	1	..	1	..	1
Males.....	1	..	1	1	1	..	1	..	2	4	1	1	1	1	".....																		
Females..	3	..	1	2	".....																		..	1	..	1
Total.....	17	13	26	23	28	27	27	25	31	33	27	28	1	306	208	325	340	245	202	Casualty.....																		17	14	20	24	34	35	20	23	18	19	9	10	9	6	3	8	10		
Males.....	15	12	23	21	26	22	23	23	27	29	26	25	1	274	225	297	303	201	184	".....																		12	13	18	24	34	32	20	22	21	16	16	7	7	6	4	1	15		

Males	51	63	93	87	62	75	77	83	69	74	62	87	51	912	832	905	847	767	726	Consumption.....	66	7	13	61	120	112	68	78	57	47	46	57	44	54	39	26	8	14
Females..	74	74	9	110	103	108	91	98	77	75	70	103	3	1080	972	1049	932	913	912	"	51	13	33	128	179	136	103	103	53	47	46	34	36	41	33	12	8	22
Total.....	14	20	24	18	30	42	36	40	27	31	36	2	344	356	337	348	275	288		Convulsions.....	252	10	2	9	8	3	1	1	2	4	1	1	1	1	2	2	1	4
Males.....	11	8	10	14	10	12	21	19	20	13	15	18	174	198	184	187	147	157		"	155	6	1	1	1	1	1	1	1	1	1	1	1	1	2	2		
Females..	3	12	10	8	18	18	17	20	14	16	18	2	170	138	153	161	128	131		"	133	4	1	8	7	2	1	1	1	3	1	1	1	1	1	2		
Males																	1	6	1	Cough.....																		
Females..																		1	2	"																		
Total.....	4	10	3	7	1	1	1	3	2	6	6	8	62	46	61	65	45	37		Croup, Membranous	35	13	1	1	1	2												
Males	3	6	3	1	1	1	1	1	1	3	3	6	27	29	39	35	18	20		"	19	8																
Females..	1	4	3	4	1	1	1	3	1	3	3	2	25	17	25	30	27	17		"	15	5	1	1	2													
Total.....	29	21	22	28	23	18	17	24	18	25	32	29	234	303	316	257	231	199		Croup.....	253	41	4	2	2													2
Males	16	10	17	12	15	10	10	9	9	17	17	17	174	183	190	148	148	114		"	130	20	1	2													1	
Females..	13	11	5	16	11	3	7	14	9	14	15	12	130	130	126	109	85	85		"	105	21	3														1	
Males																1	1	4	1	Cyanosis.....																		
Females..																3	2			"																		
Males																2	1	2	2	Debility, Nervous																		
Females..																3	2	1	2	"																		
Total.....	22	14	21	32	18	19	22	27	18	27	25	29	274	191	222	148	139	123		Debility.....	135	2	2	1	2	3	2	2	1	6	3	14	18	30	11	22	3	
Males	8	7	8	14	7	12	12	14	8	19	17	15	141	115	121	85	88	68		"	87	1	1	1	1	1	1	1	1	2	3	4	9	10	5	15	1	
Females..	14	7	13	18	11	7	10	13	10	8	8	14	133	76	101	63	51	55		"	73	1	1	1	1	1	1	1	1	3	10	9	10	6	7	2		
Total.....	1	1	2	1	1	1	1	1	1	1	1	1	9	4	5	5	6	8		Delirium Tremens																	1	
Males	1	1	1	1	1	1	1	1	1	1	1	1	8	4	4	5	6	8		"																1		
Females..													1	1	1	1				"																		
Total.....																				"																		
Males																				Dementia.....																		
Females..																				"																		
Total.....	3	5	5	7	3	3	3	5	7	3	5	9	53	52	49	41	42	33		Diabetes.....	3	2	5	3	1	6	1	3	1	2	4	6	5	6	7	1		
Males	3	2	3	5	2	3	3	5	5	2	4	7	44	33	36	33	33	22		"	2	2	3	2	1	5	3	1	2	3	6	3	4	7	1			

CAUSES OF DEATH, SPECIFIED.

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CAUSES OF DEATH, SPECIFIED.

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Females.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
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CAUSES OF DEATH, SPECIFIED.

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[illegible]

CAUSES OF DEATH, SPECIFIED.

189

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000	1001	1002	1003	1004	1005	1006	1007	1008	1009	1010	1011	1012	1013	1014	1015	1016	1017	1018	1019	1020	1021	1022	1023	1024	1025	1026	1027	1028	1029	1030	1031	1032	1033	1034	1035	1036	1037	1038	1039	1040	1041	1042	1043	1044	1045	1046	1047	1048	1049	1050	1051	1052	1053	1054	1055	1056	1057	1058	1059	1060	1061	1062	1063	1064	1065	1066	1067	1068	1069	1070	1071	1072	1073	1074	1075	1076	1077	1078	1079	1080	1081	1082	1083	1084	1085	1086	1087	1088	1089	1090	1091	1092	1093	1094	1095	1096	1097	1098	1099	1100	1101	1102	1103	1104	1105	1106	1107	1108	1109	1110	1111	1112	1113	1114	1115	1116	1117	1118	1119	1120	1121	1122	1123	1124	1125	1126	1127	1128	1129	1130	1131	1132	1133	1134	1135	1136	1137	1138	1139	1140	1141	1142	1143	1144	1145	1146	1147	1148	1149	1150	1151	1152	1153	1154	1155	1156	1157	1158	1159	1160	1161	1162	1163	1164	1165	1166	1167	1168	1169	1170	1171	1172	1173	1174	1175	1176	1177	1178	1179	1180	1181	1182	1183	1184	1185	1186	1187	1188	1189	1190	1191	1192	1193	1194	1195	1196	1197	1198	1199	1200	1201	1202	1203	1204	1205	1206	1207	1208	1209	1210	1211	1212	1213	1214	1215	1216	1217	1218	1219	1220	1221	1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CAUSES OF DEATH, SPECIFIED.

[illegible]

pecial causes tabulated as "Casualty" for the year 1883 are shown in 3. It is hoped that the facts here presented may be useful for the pre- of violent deaths.

BLE 73.—*Deaths in Michigan in 1883, Compiled as Casualty.*

LTY,—CAUSES AS RETURNED.	Num- ber.	CASUALTY,—CAUSES AS RETURNED.	Num- ber.
umber tabulated as Casualty in 72.....	306	Kicked by horse.....	14
nt.....	91	Swallowed glass.....	1
d in mill.....	11	Fell on pitchfork.....	1
in mine.....	33	Cut with circular saw.....	3
ion of powder.....	6	Killed in saw-mill.....	6
from fall.....	30	Fell from bridge.....	1
by falling timber.....	3	Fall of building.....	4
om wagon.....	13	Fall from load of hay.....	5
in woods.....	7	Struck with ball club.....	1
.....	5	Killed by cyclone.....	1
by an elevator.....	1	Fall on ice.....	2
by logs.....	10	Caving in of bank.....	2
by a bear.....	1	Fall from scaffold.....	3
om building.....	5	Killed in well.....	4
own stairs.....	5	Jumping rope.....	1
by runaway.....	8	Bean in windpipe.....	1
ision of boiler.....	20	Killed by threshing machine.....	1
rom fence.....	1	Run over by fire engine.....	1
ver by wagon.....	2	Bursting of grind-stone.....	1
		Killed by ferry boat.....	1

STATISTICS OF SUICIDE.

suicide record of Michigan for the eleven years, 1873-1883, may be n Table 74. The whole number reported for all these years was 661, m 483 were males and 178 were females. The greatest number (91) urned for the year 1883. The largest monthly mortality was in June e smallest in February. Of the whole number 363 were natives of the States, 153 being from Michigan and 210 from other States. Of birth, there were 257, of which 137 were from Germany, 40 from , 36 from England, etc. In 41 cases the nativity was not returned. classification by conjugal condition shows that 389 were married, 188 gle, 51 were widowed, and in the case of 33 the conjugal condition was ted.

e means adopted, as far as stated, poison heads the list with 123, hang- 61, drowning 39, throat cutting 13, severing turned without the means employed being

number of suicides, followed by laborers, ter may be noticed among the list.

BLE 74.—*Certain facts concerning Persons returned as having died by Suicide in Michigan during the years 1873-1883.*

YEARS.	NUM. SEX.	MONTH OF DEATH.												SEX.			COLOR.				CONDITION.			
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Total.	Males.	Females.	White.			Married.	Single.	Widowed.	Unknown.
Total.....	661	36	31	48	55	62	68	55	65	55	50	66	67	3	661	483	178	661			390	188	51	33
1873.....	39	1	2	2	1	2	4	5	3	5	5	1	7	1	39	30	9	39			21	13	4	1
1874.....	53	7	3	4	1	4	5	5	4	3	5	6	6	.....	53	31	22	53			26	17	4	4
1875.....	52	3	4	3	4	8	4	4	4	5	3	6	4	.....	52	42	10	52			34	10	3	5
1876.....	54	3	1	3	7	7	8	2	4	5	0	5	3	.....	54	43	11	54			35	13	3	4
1877.....	68	2	5	7	4	7	5	6	7	4	2	7	10	.....	68	46	20	66			38	23	2	3
1878.....	63	5	2	5	5	5	9	5	7	5	0	5	4	.....	63	40	23	63			41	16	4	2
1879.....	59	3	2	4	7	3	8	5	7	5	4	4	7	.....	59	46	13	59			35	19	3	2
1880.....	65	4	3	6	8	9	6	3	4	7	2	6	6	1	65	50	15	65			38	20	4	3
1881.....	57	1	5	3	3	4	4	7	9	7	4	0	4	.....	57	43	15	57			24	11	9	3
1882.....	62	2	3	4	6	8	7	3	7	5	7	4	6	1	62	44	18	62			32	24	3	3
1883.....	91	5	1	7	9	5	8	11	9	4	6	16	10	.....	91	69	22	91			53	23	12	3

* 1 Mulatto.

TABLE 74.—CONTINUED.—*Suicidal Deaths.*

OCCUPATIONS.	No.	OCCUPATIONS.	No.	OCCUPATIONS.	No.
rs.....	4	Farmers.....	199	Prostitutes.....	5
s.....	2	Hotel-keepers.....	4	Sailors.....	4
ers.....	2	House-keepers.....	75	Saloon-keepers.....	11
rs.....	1	Laborers.....	80	Seamstress.....	1
keepers.....	7	Lawyers.....	2	Servants.....	25
men.....	1	Lumbermen.....	5	Shoemakers.....	6
ers.....	4	Machinists.....	3	Soldiers.....	2
-makers.....	2	Masons.....	6	Students.....	5
ess men.....	3	Mechanics.....	9	Tailors.....	2
ers.....	4	Merchants.....	12	Tanners.....	3
et-makers.....	2	Milliners.....	2	Teachers.....	3
nters.....	10	Miners.....	2	Teamsters.....	3
makers.....	3	Minister.....	1	Tinner.....	1
.....	8	Miscellaneous.....	7	Unemployed.....	22
rs.....	2	Musicians.....	3	Unknown.....	77
ien.....	4	Painters.....	3	Weavers.....	3
ists.....	3	Physicians.....	5		
cers.....	4	Printers.....	4		
					661
Nativity.	No.	Nativity.	No.	Nativity.	No.
a.....	1	Maine.....	2	Poland.....	3
a.....	40	Massachusetts.....	3	Rhode Island.....	1
eticut.....	6	Michigan.....	153	Scotland.....	8
d.....	36	Minnesota.....	1	Sweden.....	2
.....	1	New Hampshire.....	3	Switzerland.....	1
oy.....	137	New Jersey.....	4	Texas.....	1
.....	1	New York.....	116	Unknown.....	41
.....	5	Norway.....	1	Vermont.....	10
.....	23	Nova Scotia.....	1	Virginia.....	1
.....	1	Ohio.....	36	Wisconsin.....	6
ky.....	1	Pennsylvania.....	13	Zealand.....	2
					661
Means Used.	No.	Means Used.	No.	Means Used.	No.
Poison.....	123	Starving.....	1		
ing Artery.....	2	Unknown.....	318		
g.....	61				
					661

PRINCIPAL CAUSES OF DEATH.

In the following table may be seen the relative order of the fifteen most destructive diseases and causes of death in Michigan during the year 1883. Consumption has stood at the head of the list of the most prominent causes of death during the whole period of registration, with the single exception of the year 1881, when diphtheria headed the list.

Next to consumption, diphtheria has been the most active destroyer of human life in Michigan during the years 1878-1883. With the other more prominent causes of death, the order in regard to the largest number, varies more or less from year to year. The most noteworthy changes from 1882 were in cholera infantum and cancer. Cholera infantum, occupying tenth place in 1882, rose to eighth in 1883, while cancer, which ranked fourteenth in 1882, rose to eleventh in 1883. Scarlet fever ranked sixth in 1878 and 1879, tenth in 1880 and 1881, and sixth again in 1882 and 1883.

The fifteen principal causes of death represent 56.92 per cent of the total mortality for 1883, as compared with 57.13 in 1882, 57.43 in 1881, and 58.02 in 1880. Some of these important causes of death will be considered again in subsequent pages.

TABLE 75.—*Mortality in Michigan from Fifteen Principal Causes as Returned for the Year 1883.*

ORDER.	SPECIFIED CAUSES AND CONDITIONS,—1883.	NUMBER OF DEATHS.			PER CENT FROM EACH CAUSE TO DEATHS FROM ALL CAUSES.		
		Total.	Males.	Females.	Total.	Males.	Females.
1	Consumption.....	1,992	912	1,080	11.78	10.02	13.94
2	Diphtheria.....	1,007	500	507	5.96	5.49	6.54
3	Still-born.....	a 884	513	323	5.23	5.64	4.23
4	Pneumonia.....	737	411	326	4.36	4.52	4.21
5	Old Age.....	726	365	361	4.29	4.01	4.66
6	Scarlet Fever.....	673	338	335	3.98	3.71	4.32
7	Heart Disease.....	626	342	284	3.70	3.76	3.67
8	Cholera Infantum.....	465	270	195	2.75	2.97	2.52
9	Fever, Typhoid.....	439	252	187	2.60	2.77	2.41
10	Apoplexy and Paralysis.....	421	236	185	2.49	2.59	2.39
11	Cancer.....	383	160	223	2.27	1.76	2.88
12	Convulsions.....	344	174	170	2.03	1.91	2.19
13	Croup.....	336	181	155	1.99	1.99	2.00
14	Dropsy (unspecified).....	296	145	151	1.75	1.56	1.95
15	Bowels, Inflammation of.....	294		142	1.74	1.67	1.80
Total.....		a		2,000			
All Causes.....							

a Includes 43 unknown sex. b 10

In Tables 76 and 77 may be seen the number and per cent of deaths from ten prominent causes by months and ages for the year 1883. Of the ten diseases, diphtheria ranks the highest, and whooping-cough the lowest. Consumption and pneumonia are not included in these tables but are studied further on.

Cancer, the first disease in the tables, appears to be especially fatal at ages from forty to seventy, and the months of October and November returned the largest mortality. Each year the deaths of females exceed those of males. Cephalitis was most fatal in August and December, and in ages under five years. An examination of the tables will show that season of the year has a very decided influence upon the mortality from croup, diphtheria and scarlet fever, the excessive portion of the deaths occurring in infancy and childhood. The disparity between the sexes does not appear to be great.

Diarrhea and dysentery are diseases of little prominence until July, falling to quite a low point again in November. Three-fourths of the mortality from these two diseases in 1883 was at the age of five and under.

Deaths from measles in 1883 occurred mostly during the spring and early summer, and were by far the most fatal under five. Deaths of females exceed those of males by 12.01 per cent.

The mortality from typhoid fever rose suddenly in September and declined again in November. The chief mortality was between the ages of fifteen to thirty, and deaths among males exceeded deaths among females by 14.80 per cent.

Whooping-cough was most fatal in March, least so in February, but distributed over the year with no great difference in months. Over 93 per cent of the deaths from this disease were under the age of five years.

TABLE 76.—Deaths from Ten Specified Causes returned for the Year 1883, Exhibiting the Number of each Sex, Total Number in each Month, and at different Periods of Age.

SEX, MONTH, AND AGE.		CAUSES OF DEATH, 1883.									
		Cancer.	Cepha- litis.	Croup. ^a	Diarrhea. ^b	Diph- theria.	Dysen- tery. ^c	Measles.	Scarlet Fever.	Typhoid Fever.	Whoop- ing Cough.
SEX.	Total.....	383	293	336	267	1,007	114	258	673	439	92
	Males.....	160	163	181	146	500	68	113	338	252	40
	Females.....	223	130	155	121	507	45	144	335	187	52
	Unknown.....						1	1			
	January.....	16	22	33	5	90	4	4	59	19	6
MONTHS.	February.....	26	15	31	5	73	2	10	60	29	3
	March.....	16	20	25	4	64	2	20	69	32	13
	April.....	31	18	35	14	77		44	74	19	8
	May.....	12	28	24	3	100	3	54	64	17	6
	June.....	34	26	19	15	65	6	44	30	22	5
	July.....	46	28	18	53	78	8	32	59	23	8
	August.....	37	31	27	80	78	38	21	30	49	8
	September.....	29	22	20	54	82	27	8	43	70	10
	October.....	51	26	29	25	92	19	6	43	67	6
	November.....	48	24	38	3	86	2	7	53	38	9
	December.....	34	33	37	6	121	3	7	67	52	10
	Unknown.....	3				1		1	2	2	
	Av. Month..... ^d	32	24	28	22	84	10	22	56	37	8
AGES.	Under 5.....	11	181	270	230	487	76	178	370	50	86
	5 to 10.....	2	36	54	6	321	4	25	191	39	5
	10 to 15.....	2	14	5	1	117	1	13	60	28	
	15 to 20.....	1	12		2	48	3	11	29	66	
	20 to 25.....	6	8	3	1	12	6	4	9	71	
	25 to 30.....	13	6		1	6	2	4	6	45	
	30 to 35.....	5	4	2		3		2		28	
	35 to 40.....	23	7		2	3	1	10	2	22	
	40 to 45.....	27	4				3	2	2	10	
	45 to 50.....	48	2		2		5	6	2	16	
	50 to 55.....	38	5		2		2		1	16	
	55 to 60.....	45	5		2	2	1	2		8	
	60 to 65.....	51	2		4	1	1			16	
	65 to 70.....	43	2		2		2			7	
	70 to 75.....	27	3		3		3			9	
	75 to 80.....	26			3		2			4	
	80 and over.....	6			3		2			3	
Unknown.....	9	2	2	3	7		1	1	1	1	

^a Includes 52 membranous croup.^d Excluding unknown month.^b Includes 17 chronic.^c Includes 3 chronic.

TABLE 77.—Per Cent of Deaths Returned for the Year 1883, from each of Ten Specified Causes to Deaths from All Causes; and Per Cent of each Sex, of Deaths in each Month, and at Different Periods of Life, to Total Deaths from each Specified Cause.

SEX, MONTH, AND AGE.		CAUSES OF DEATH, 1883.—PER CENT OF TOTAL.									
		Cancer.	Cepha- litis.	Croup.	Diar- rhea.	Diph- theria.	Dysen- tery.	Measles.	Scarlet Fever.	Tpphold Fever.	Whoop- ing Cough.
SEX.	Per Ct. of All Causes	2.27	1.73	1.99	1.58	5.96	.67	1.53	3.98	2.60	.54
	Males.....	41.78	55.63	53.87	54.68	49.65	59.65	43.80	50.22	57.40	43.48
	Females.....	58.22	44.37	46.13	45.32	50.35	39.47	55.81	49.78	42.60	56.52
	Unknown.....						.88	.39			
	January.....	4.18	7.51	9.92	1.87	8.94	3.51	1.55	8.77	4.33	6.52
MONTHS.	February.....	6.79	5.12	9.23	1.87	7.25	1.75	3.88	8.92	6.61	3.26
	March.....	4.17	6.83	7.44	1.50	6.36	1.75	7.75	10.25	7.29	14.13
	April.....	8.09	6.14	10.42	5.24	7.65		17.05	11.00	4.33	8.70
	May.....	3.13	9.56	7.14	1.12	9.93	2.63	20.93	9.51	3.87	6.52
	June.....	8.88	8.87	5.65	5.62	6.45	5.26	17.05	7.43	5.01	5.43
	July.....	12.01	9.56	5.36	19.85	7.75	7.02	12.40	8.75	5.24	8.70
	August.....	9.66	10.58	8.04	29.96	7.75	33.33	8.14	4.46	11.16	8.70
	September.....	7.57	7.51	5.95	20.22	8.14	23.68	3.10	6.39	15.95	10.87
	October.....	13.32	8.87	8.63	9.36	9.14	16.67	2.33	6.39	15.26	6.52
	November.....	12.53	8.19	11.31	1.12	8.54	1.75	2.71	7.87	8.66	9.78
	December.....	8.88	11.26	11.01	2.25	12.02	2.63	2.71	9.96	11.85	10.87
	Unknown.....	.78				.10		.39	.30	.46	
	Av. Month..... ^a	8.27	8.33	8.33	8.33	8.32	8.33	8.30	8.30	8.29	8.33
	Under 5.....	2.87	61.78	80.36	86.14	48.36	66.67	68.99	54.98	11.39	93.48
	5 to 10.....	.52	12.29	16.07	2.25	31.88	3.51	9.69	28.38	8.88	5.43
	10 to 15.....	.52	4.78	1.49	.38	11.62	.88	5.04	8.92	6.38	
	15 to 20.....	.26	4.10		.75	4.77	2.63	4.26	4.31	15.03	
	20 to 25.....	1.57	2.73	.89	.38	1.19	5.26	1.55	1.34	16.17	
	25 to 30.....	3.39	2.05		.38	.60	1.75	1.55	.89	10.25	
	30 to 35.....	1.31	1.37	.60		.30		.78		6.38	
35 to 40.....	6.01	2.39		.75	.30	.88	3.88	.30	5.01		
AGES.	40 to 45.....	7.05	1.37				2.63	.78	.30	2.28	
	45 to 50.....	12.53	.68		.75		4.39	2.33	.30	3.65	
	50 to 55.....	9.92	1.71		.75		1.75		.15	3.64	
	55 to 60.....	11.75	1.71		.75	.20	.88	.78		1.82	
	60 to 65.....	13.29	.68		1.50	.10	.88			3.64	
	65 to 70.....	11.23	.68		.75		1.75			1.59	
	70 to 75.....	7.05	1.02		1.12		2.63			2.05	
	75 to 80.....	6.79			1.12		1.75			.91	
	80 and over.....	1.57			1.12		1.75			.68	
	Unknown.....	2.35	.68	.60	1.12	.70		.39	.15	.23	1.09

^a Excluding deaths in unknown month.

Cancer.—The total number of deaths returned from cancer during the twelve years 1872-1883, was 3,017. The annual average number for these years was 251, while the number returned for 1883 was 383. With the exception of the year 1882, there has been a constant increase in the mortality from this disease since 1871. There has been each year a very marked excess of deaths among females, and the average annual excess for the twelve years 1872-1883 was 36. In 1883 the largest number of deaths from cancer occurred in the month of ⁷October, and over 58 per cent of the whole number were at ages between forty-five and seventy; only 35 were returned at ages under thirty.

Table 78 shows what part of the body was affected among the decedents from cancer during these years. In nearly half of the cases (47.46 per cent) the part of the body affected was not given in the returns, a fact very much to be regretted. As far as returned, cancer of the stomach exceeds all others by a large majority.

TABLE 78.—*Deaths from Cancer in Michigan returned for the years 1872-1883, indicating part of body affected.*

Part Affected.	Total.	Males.	Fe- males.	Part Affected.	Total.	Males.	Fe- males.
Aggregate, 12 years.....	3,017	1,291	1,726	Cancer of Liver.....	57	36	21
Cancer of Arm.....	6	3	3	Cancer of Lungs.....	6	3	3
Cancer of Bladder.....	3	2	1	Cancer of Mouth.....	53	38	15
Cancer of Bowels.....	65	21	44	Cancer of Neck.....	13	11	2
Cancer of Breast.....	232	14	218	Cancer of Nose.....	2	2	-----
Cancer of Eye.....	12	7	5	Cancer of Oesophagus.....	3	1	2
Cancer of Face.....	102	73	29	Cancer of Pancreas.....	2	1	1
Cancer of Foot.....	3	3	-----	Cancer of Rectum.....	10	6	4
Cancer in Groin.....	4	3	1	Cancer, Rose.....	7	3	4
Cancer of Hand.....	3	2	1	Cancer of Side.....	10	1	9
Cancer of Head.....	18	12	6	Cancer of Spine.....	3	1	2
Cancer of Heart.....	1	-----	1	Cancer of Stomach.....	748	461	287
Cancer, Internal.....	23	8	15	Cancer of Throat.....	27	12	15
Cancer of Kidneys.....	4	4	-----	Cancer of Tongue.....	12	8	4
Cancer of Leg.....	13	9	4	Cancer (Unspecified).....	1,432	546	886
				Cancer of Uterus.....	143	-----	143

METEOROLOGY AND ITS RELATION TO DEATHS.

As in former years, the following tables have been prepared to show the effect of meteorological changes upon some of the most important diseases. The design is to ascertain if there was any relation between unusual meteorological conditions and unusual mortality during the year 1883. These tables show some of the results of observations made at the office of the State Board of Health, State Agricultural College, and by the U. S. Signal Service. Study is here made of the occurrence of deaths from different diseases, by months, temperature, humidity of air, ozone, prevailing winds, and atmospheric pressure.

From Table 79 it may be seen that the annual average temperature for 1883 was 3.12° lower than the average for ten years and lower than for any other year in the table except 1875. The temperature for January and February 1883 was also lower than any of the ten years included in the average except the year 1875.

The atmospheric pressure for the year 1883 was greater than that of the average for ten years. In 1883 the greatest monthly pressure occurred in February, the least in the month of June. For further study of this subject see Table 80.

TABLE 79.—TEMPERATURE.—Average by Years and by Months, for the Years 1874 to 1883, inclusive, at the Agricultural College, near Lansing, Michigan. (Results of Observations by Prof. R. C. Kedzie.)

YEARS.	Annual Aver- age.	AVERAGE TEMPERATURE, STATED IN DEGREES FAHRENHEIT, BY MONTHS.											
		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1874.....	47.32	27.70	25.51	32.30	36.87	59.58	70.61	72.02	69.39	62.85	49.10	35.00	26.96
1875.....	43.09	12.87	8.35	26.20	41.11	60.82	66.57	69.67	65.48	58.50	42.93	32.96	31.58
1876.....	46.17	30.22	27.38	30.55	44.16	57.95	68.14	72.48	71.55	56.30	43.74	36.33	15.23
1877.....	47.42	18.07	32.31	24.51	46.16	58.25	65.93	71.43	68.46	61.28	50.83	35.24	36.57
1878.....	48.29	29.11	28.07	40.90	50.55	54.57	64.08	73.04	70.15	63.15	48.33	36.29	21.29
1879.....	46.88	19.19	20.40	33.19	44.84	58.76	66.02	74.03	70.00	56.21	57.28	33.22	27.46
1880.....	47.28	37.10	29.19	35.50	45.87	64.30	67.60	68.04	68.58	55.83	46.23	27.52	22.07
1881.....	48.73	16.98	21.58	30.28	45.59	65.24	64.31	73.43	72.69	69.69	52.51	38.20	34.31
1882.....	47.57	24.89	35.12	35.96	44.70	52.73	66.49	67.71	69.52	59.98	52.67	36.30	24.80
1883.....	43.51	14.39	19.76	24.89	43.48	52.78	65.87	68.94	64.90	56.43	46.17	38.08	26.39
Av. for 10 Y'rs*	46.63	23.05	24.77	31.43	44.33	58.50	66.56	71.98	69.07	60.02	48.98	35.41	26.67

* Average for 10 years ending with 1883.

TABLE 80.—PRESSURE OF THE ATMOSPHERE.—*Observations of Barometer reduced to freezing point, for each of the years 1874 to 1883, inclusive, and the Average for 10 Years ending with 1883, at the Agricultural College, Lansing, Michigan (Based upon Observations by Prof. R. C. Kedzie).*

YEARS.	ANNUAL AVERAGE.	PRESSURE OF THE ATMOSPHERE, STATED IN INCHES OF MERCURIAL COLUMN, BY MONTHS.											
		Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1874...	29.055	29.168	29.048	29.015	29.061	28.984	28.998	29.027	29.044	29.066	29.073	29.057	29.121
1875...	28.998	29.005	28.875	28.844	29.047	29.061	29.029	29.044	29.025	29.031	29.016	29.054	28.955
1876...	29.010	29.073	29.063	28.929	29.000	29.009	28.911	29.0.9	29.048	28.995	28.929	28.953	29.203
1877...	29.066	29.057	29.124	28.981	28.974	29.056	29.020	29.062	29.046	29.121	29.077	29.099	29.180
1878...	29.053	29.099	29.026	29.027	28.875	29.013	29.030	29.085	29.010	29.157	29.080	29.081	29.147
1879...	29.080	29.130	29.107	29.102	29.050	29.116	29.073	29.057	29.100	29.152	29.160	29.027	29.032
1880...	29.096	28.995	29.077	29.181	28.984	29.061	29.065	29.068	29.126	29.093	29.130	29.215	29.155
1881...	29.087	29.077	29.152	28.899	29.064	29.116	29.018	29.033	29.117	29.077	29.181	29.120	29.134
1882...	29.094	29.134	29.041	29.008	29.088	29.065	28.959	29.096	29.062	29.186	29.112	29.175	29.112
1883...	29.107	29.129	29.252	29.059	29.042	29.007	28.998	29.072	29.154	29.162	29.158	29.128	29.124
Av...*	29.065	29.087	29.077	29.014	29.019	29.049	29.010	29.061	29.073	29.104	29.092	29.091	29.116

* Average for 10 years ending with 1883.

Croup.—The number of deaths returned from croup in 1883 was 336—males 181, females 155—the males predominating as usual. The average number for ten years, 1873-1882, was 238, which was nearly one hundred less than was recorded for 1883. The largest number of deaths returned from this cause in any one year was 378, in 1881. January, February, April, October, November, and December were the most fatal months. The greatest mortality was in November, 11.31 per cent; the least in July, 5.36 per cent. Only ten cases were reported over ten years of age, and only five over twenty years. Under five years of age the deaths amount to 80.36 per cent.

Table 81 shows certain meteorological data in connection with deaths from croup. There were only two exceptions to the proposition that the air was *colder* than the average in months when the greatest number of deaths from croup occurred, and *warmer* than the average in months in which less than the average number of deaths occurred. There were also only two exceptions to the proposition that more than the average number of deaths from croup occurred in months in which there was less than the average quantity of vapor inhaled, and *vice versa*.

TABLE 81.—Deaths Returned from Croup in Michigan, by Months, during the Year 1883, and some coincident Meteorological Conditions.

MONTHS IN ORDER BY NUMBER OF DEATHS FROM CROUP, GREATEST FIRST.	DEATHS FROM CROUP, 1883.		TEMPERA- TURE, DEGREES FAHR.		HUMIDITY OF ATMOS- PHERE, ETC., MONTHLY AVERAGES.				OZONE.— RELATIVE MAXIMUM = 10.		Average Velocity of Wind, Miles per Hour, — by Registering Anemometer.	Rainfall in Inches.	Average Pressure of Atmosphere, (Barom- eter Reduced to 32° Fahr.)	
	Number.	Per Cent of Total.	Av. Daily Range during Day and following Night, by Reg. Ther- mometers. Obs. at 7 A. M.	Av. of Daily Observations at 7 A. M., 2 P. M., and 9 P. M.	Relative Humidity, or Per Cent of Saturation.	Weight, in Grains, of Vapor in a Cubic Foot of Air. ^a	Weight, in Troy Ounces, of Va- por Inhaled by one person in 24 hours. ^b	Weight, in Troy Ounces, of Vapor Exhaled from Air Passages in 24 hours in excess of vapor inhaled. ^c	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.				
Year, 1883	4336	100.00	18.92	43.52	75	3.17	1.98	9.70	3.19	3.47	11.0	40.91	29.189	
More than the Av. No. of Deaths.	November	38	11.31	16.31	38.10	76	2.43	1.52	10.16	2.97	3.22	14.4	3.89	29.182
	December	37	11.01	15.13	26.89	80	1.66	1.04	10.64	3.23	3.74	12.0	1.67	29.205
	April	35	10.42	19.64	43.00	67	2.55	1.59	10.09	3.30	3.65	11.5	1.81	29.125
	January	33	9.82	17.64	15.78	82	1.11	.69	10.99	3.88	4.55	12.2	1.91	29.221
	February	31	9.23	18.38	20.03	81	1.29	.81	10.87	4.01	4.55	13.1	4.14	29.328
	October	29	8.63	15.70	46.73	76	3.22	2.01	9.67	2.87	3.28	9.4	3.34	29.275
Average	28	8.33	18.92	43.52	75	3.17	1.98	9.70	3.19	3.47	11.0	3.41	29.189	
Less than the Av. No. of Deaths.	August	27	8.04	22.65	65.41	71	5.20	3.25	8.43	2.63	2.40	8.0	1.06	29.233
	March	25	7.44	21.44	24.63	75	1.39	.87	10.81	3.49	3.87	11.6	1.02	29.145
	May	24	7.14	20.21	51.37	70	3.44	2.15	9.53	3.31	3.81	11.9	6.02	29.099
	September	20	5.95	21.68	57.24	75	4.31	2.69	8.99	2.65	2.61	8.1	2.37	29.238
	June	19	5.65	19.13	64.73	77	5.45	3.41	8.27	3.06	3.12	9.7	7.41	29.072
	July	18	5.36	19.06	68.36	76	6.02	3.76	7.92	2.91	2.80	10.3	6.27	29.140

^a Calculated from readings of Dry Bulb and Wet Bulb Thermometers.^b Calculated for 18 respirations per minute of 20 cubic inches of air each.^c Assuming the air exhaled to be saturated with vapor at the temperature of 98° F., each cubic foot containing 18.69 grains; 18 respirations per minute, of 20 cubic inches of air each, making 11.68 Troy ounces of vapor exhaled daily. No correction made for expansion of air after being inhaled.^d Includes 52 deaths from Membranous Croup.^e Exceptions to the proposition that more than an average number of deaths from croup occurred in months when the Average Daily Temperature was less than the average, and vice versa.^f Exceptions to the proposition that more than an average number of deaths from croup occurred in months in which there was less than the average quantity of vapor inhaled, and vice versa.

Diphtheria.—Table 82 shows that 1,007 deaths were returned from this disease in 1883, as compared with 1,416 in the previous year. The sexes were very evenly divided, there being 500 deaths among males, and 507 deaths among females. The per cent of deaths from diphtheria to deaths from all causes has been reduced from 10.72 in 1881, to 8.62 in 1882, and 5.96 in 1883. The rise and fall in the number of deaths from diphtheria during the years 1874-1883 has been as follows:

1874.	1875.	1876.	1877.	1878.	1879.	1880.	1881.	1882.	1883.
213	207	311	593	887	1,473	1,542	2,063	1,416	1,007

It will be observed that there has been quite a falling off in the mortality from diphtheria in 1882 and 1883. The annual average number for the ten years 1874-1883, was 971, and the average for the five years 1879-1883, was 1,500.

By reference to Table 72, page 176, may be found the ages of those who died from diphtheria in 1883. It is seen that 487, or 48.36 per cent of the whole number were children under five years of age, that 808, or 80.24 per cent, were under ten years of age, and that 925, or 91.86 per cent, were under fifteen years of age.

The months of January, May, October, November, and December contributed 48.66 per cent of the deaths, the month of December having the largest number. As usual the autumn months were the most fatal.

The prevalence of diphtheria in the different geographical divisions of the State may be seen in the following tabulated statement:

STATE, AND GEOGRAPHICAL DIVISIONS.	Total Mortality from all Causes.	Deaths from Diphtheria.	Per Cent of Deaths from Diphtheria to Deaths from All Causes.
State.....	16,906	1,007	5.96
Upper Peninsular.....	1,007	44	4.37
Northwestern.....	630	25	3.97
Northern.....	391	23	5.88
Northeastern.....	310	3	.97
Western.....	1,988	78	3.92
Northern-Central.....	467	67	13.35
Bay and Eastern.....	2,618	122	4.66
Central.....	2,273	123	5.41
Southwestern.....	940	35	3.72
Southern-Central.....	2,537	66	2.61
Southeastern.....	3,745	421	11.24

Table 82 shows that the proposition that the air was *colder* than the average in months in which *more* than the average number of deaths occurred, and *warmer* than the average in months in which *less* than the average number of deaths occurred, holds true in seven out of the twelve months.

TABLE 82.—Deaths Returned from Diphtheria in Michigan, by Months, during the year 1883, and some coincident Meteorological Conditions.

MONTHS IN ORDER BY NUMBER OF DEATHS FROM DIPHTHERIA, GREATEST FIRST.	DEATHS FROM DIPHTHERIA.		TEMPERATURE, DEGREES FAHR.		HUMIDITY OF ATMOS- PHERE, ETC. MONTHLY AVERAGES.				OZONE, Relative Maximum = 10		Average Velocity of Wind,—Miles per Hour, by Registering Anemometer.	Average Pressure of Atmosphere, tor Reduced to 32° Fahrenheit.)
	Number.	Per Cent of Total.	Average Daily Range during Day and following Night, by Register- ing Thermometers, Observed at 7 A. M.	Average of Daily Observations at 7 A. M., 2 P. M., and 9 P. M.	Relative Humidity, or Per Cent of Saturation.	Weight, in Grains, of Vapor in a Cubic Foot of Air. ^a	Weight, in Troy Ounces, of Vapor Inhaled by one person in 24 hours. ^a	Weight, in Troy Ounces, of Vapor Exhaled from Air Passages in 24 hours in excess of Vapor Inhaled. ^a	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.		
Year 1883.....	1,007	100.00	18.92	43.52	75	3.17	1.98	9.70	3.19	3.47	11.0	29.189
More than the Av. No. of Deaths.												
December.....	121	12.02	15.13	26.89	80	1.66	1.04	10.64	3.25	3.74	12.0	29.205
May.....	100	9.93	20.21	51.37	70	3.44	2.15	9.53	3.31	3.81	11.9	29.009
October.....	93	9.23	15.70	43.73	76	3.22	2.01	9.67	2.87	3.23	9.4	29.275
January.....	90	8.94	17.64	15.78	82	1.11	.69	10.99	3.88	4.55	12.2	29.221
November.....	86	8.54	16.34	38.10	76	2.43	1.52	10.16	2.97	3.22	14.4	29.182
Average.....	84	8.34	18.92	43.52	75	3.17	1.98	9.70	3.19	3.47	11.0	29.189
Less than the Average No. of Deaths.												
September.....	82	8.14	21.68	57.24	75	4.31	2.69	8.99	2.65	2.61	8.1	29.238
July.....	78	7.75	19.06	68.30	76	6.02	3.76	7.92	2.91	2.80	10.3	29.140
August.....	78	7.75	22.65	65.41	71	5.26	3.25	8.43	2.63	2.40	8.0	29.233
April.....	77	7.65	19.64	43.00	67	2.55	1.59	10.09	3.30	3.65	11.5	29.125
February.....	73	7.25	18.38	20.03	81	1.29	.81	10.87	4.01	4.55	13.1	29.328
June.....	65	6.45	19.13	64.73	77	5.45	3.41	8.27	3.06	3.12	9.7	29.072
March.....	64	6.35	21.44	24.63	75	1.39	.87	10.81	3.49	3.87	11.6	29.145

^a See foot-notes to Table 81, page 213.

^b Exceptions to the proposition that *more* than an average number of deaths from Diphtheria occurred in months when the Average Daily Temperature was *less* than the average, and *vice versa*.

^c Exceptions to the proposition that *more* than an average number of deaths from Diphtheria occurred in months when *less* than the average quantity of vapor was inhaled, and *vice versa*.

Typhoid Fever.—The number of deaths returned in Michigan, in 1883, from typhoid fever, was 439. This number was 445 less than was reported in 1881, and 24 less than in 1882. The average annual number of deaths for the fourteen years, 1869-1882, was 512, which was 73 more than was returned for 1883. The per cent of mortality from typhoid fever to deaths from all causes in 1882 was 2.60, while the average percentage for the years 1869-1882 was 3.89.

Two hundred and fifty-two deaths were among males, and 187 were among females distributed through the different months of the year. The greatest mortality occurred in September, which contributed 70, or 15.95 per cent of

the deaths, and 31.21 per cent of the total number occurred in the two months of September and October. Nearly 42 per cent of the deaths were of persons between fifteen and thirty years of age, and 31.21 per cent of the deaths were between fifteen to twenty-five.

Table 83 shows the relation of typhoid fever to certain atmospheric conditions.

TABLE 83.—Deaths returned in Michigan from Typhoid Fever, by months during the year 1883, and some coincident Meteorological Conditions.

MONTHS IN ORDER BY NUMBER OF DEATHS FROM TYPHOID FE- VER, GREATEST FIRST.	DEATHS FROM TYPHOID FEVER, 1883		TEMPERATURE, DEGREES FAHR.		HUMIDITY OF ATMOS- PHERE, ETC.,—MONTHLY AVERAGES.				OZONE,—REL- ATIVE MAXIMUM = 10.		Average Velocity of Wind, miles per hour, by Registering Anemometer.	Average Pressure of Atmosphere (Barom- eter reduced to 32° Fahrenheit).
	Number.	Per Cent of Total.	Average Daily Range during day and following night by Registering Thermometer, Observed at 7 A. M.	Average of Daily Observations at 7 A. M., 2 P. M., and 9 P. M.	Relative Humidity, or Per Ct. of Saturation.	Weight in Grains, of Vapor in a Cubic foot of Air. ^a	Weight, in Troy Ounces, of Va- por Inhaled by one person in 24 hours. ^a	Weight, in Troy Ounces, of Va- por exhaled from Air Pass- enger in 24 hours, in excess of vapor inhaled. ^a	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.		
Year, 1883.....	439	100.00	18.92	43.52	75	3.17	1.98	9.70	3.19	3.47	11.0	29.189
More than the Av. No. of Deaths.												
September	70	15.95	21.68	57.24	75	4.31	2.69	8.99	2.65	2.61	8.1	29.238
October....	67	15.26	b 15.70	46.73	76	3.22	2.01	9.67	2.87	3.28	9.4	29.275
December..	53	12.07	b 15.13	c 26.89	80	d 1.66	1.04	10.64	e 3.25	e 3.74	12.0	29.205
August.....	49	11.16	22.65	65.41	71	5.20	3.25	8.43	2.63	2.40	8.0	29.233
November	39	8.88	b 16.34	c 38.10	76	d 2.43	1.52	10.16	2.97	3.22	14.4	f 29.182
Average	37	8.43	18.92	43.52	75	3.17	1.98	9.70	3.19	3.47	11.0	29.189
Less than the Average No. of Deaths.												
March	32	7.29	b 21.44	24.63	75	1.39	.87	10.81	3.49	3.87	11.6	29.145
February..	29	6.61	18.38	20.03	81	1.29	.81	10.87	4.01	4.55	13.1	f 29.328
July	23	5.24	b 19.06	c 68.36	76	d 6.02	3.76	7.92	e 2.91	e 2.80	10.3	29.140
June	22	5.01	b 19.13	c 64.73	77	d 5.45	3.41	8.27	e 3.06	e 3.12	9.7	29.072
January ..	19	4.33	17.64	15.78	82	1.11	.69	10.99	3.88	4.55	12.2	f 29.221
April	19	4.33	b 19.64	43.00	67	2.55	1.59	10.09	3.30	3.65	11.5	29.125
May	17	3.87	b 20.21	c 51.37	70	d 3.44	2.15	9.53	3.31	3.81	11.9	29.099

^a See foot-note to Table 81, page 213.

^b Exceptions to the proposition that the Daily Range of Temperature was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

^c Exceptions to the proposition that the Average Daily Temperature was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

^d Exceptions to the proposition that the Absolute Humidity was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

^e Exceptions to the proposition that the Ozone was *less* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

^f Exceptions to the proposition that the Atmospheric Pressure indicated by the Barometer was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

The several diarrheal diseases classed together in Table 84 caused fewer deaths in 1883 than the average for twelve years, although more than were returned for the year 1882. The highest number was reported in 1881, corresponding with the increased number of deaths for that year. The increased mortality from cholera infantum for the last few years is quite marked. Table 84 is designed to take the place of Table XXI. in previous Reports.

TABLE 84.—Deaths returned from Diarrheal Diseases in Michigan during the Years 1872-1883, and the Average for Twelve Years.

YEARS.	Diarrhea.	Dysentery.	Cholera Infantum.	Cholera.	Enteritis.	Diarrheal Diseases.
1872.....	437	456	394	9	234	1,530
1873.....	383	319	306	9	285	1,302
1874.....	380	304	278	6	208	1,176
1875.....	283	162	289	2	218	954
1876.....	304	195	331	12	239	1,081
1877.....	290	218	370	15	226	1,119
1878.....	173	158	243	4	214	792
1879.....	226	135	300	6	237	904
1880.....	310	160	499	26	267	1,262
1881.....	501	270	837	17	342	1,987
1882.....	259	96	428	13	276	1,072
1883.....	267	114	465	3	294	1,143
Average.....	318	216	397	10	253	1,194

Diarrhea.—The deaths returned from diarrhea in 1883 numbered 267, being 8 more than were reported in 1882. The annual average mortality for the twelve years, 1872-1883, was 318, or 51 more than was recorded in 1883. The record of mortality included every month of the year 1883, but the months of July, August, and September gave 70 per cent of the total number of deaths; August alone had a record of 80 deaths, or 30 per cent of the whole.

As has been repeatedly shown in these reports, the fatality of diarrhea occurs mostly among children under five years of age. For 1883, 86.14 per cent of the decedents from this cause were under that age.

Table 85 shows the relation which the deaths from diarrhea sustained to certain meteorological conditions in 1883. It will be seen that there are only two exceptions to the proposition that *more* than the average number of deaths from diarrhea occurred in months when the Average Daily Temperature was *higher* than the average, and *vice versa*.

TABLE 85.—Deaths Returned in Michigan from Diarrhea, by Months, during the Year 1883, and some coincident Meteorological Conditions.

MONTHS IN ORDER BY NUMBER OF DEATHS FROM DIARRHEA, GREATEST FIRST.	DEATHS FROM DIARRHEA, 1883.		TEMPERATURE, DEGREES FAHR.		HUMIDITY OF ATMOS- PHERE, ETC., MONTHLY AVERAGES.				OZONE,— RELATIVE MAXIMUM = 10.		AVERAGE VELOCITY OF WIND,—Miles per Hour, by Registering Anemometer.		AVERAGE PRESSURE OF ATMOSPHERE, reduced to 32° Fahrenheit.)
	Number.	Per Cent of Total.	Average Daily Range during Day and following Night, by Reg- istering Thermometer, Observed at 7 A. M.	Average of Daily Observations at 7 A. M., 2 P. M., and 9 P. M.	Relative Humidity or Per Cent of Saturation. ^a	Weight, in Grains, of Vapor in a Cubic Foot of Air. ^a	Weight, in Troy Ounces, of Vapor inhaled by one person in 24 hours. ^a	Weight, in Troy Ounces, of Vapor exhaled from air Passages in 24 hours in excess of Vapor inhaled. ^a	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.	Average Velocity of Wind,—Miles per Hour, by Registering Anemometer.	Average Pressure of Atmosphere, reduced to 32° Fahrenheit.)	
Year 1883.....	267	100.00	18.92	43.52	75	3.17	1.98	9.70	3.19	3.47	11.0	29.189	
More than the Av. No. of Deaths.													
August.....	80	29.96	22.65	65.41	71	5.20	3.25	8.43	2.63	2.40	8.0	29.233	
September....	54	20.23	21.68	57.24	75	4.31	2.69	8.99	2.65	2.61	8.1	29.238	
July.....	53	19.85	19.06	68.36	d 76	6.02	3.76	7.92	2.91	2.80	10.3	29.140	
October.....	25	9.36	b 15.70	46.73	d 76	3.22	2.01	9.67	2.87	3.28	9.4	29.275	
Average.....	22	8.24	18.92	43.52	75	3.17	1.98	9.70	3.19	3.47	11.0	29.189	
Less than the Average No. of Deaths.													
June.....	15	5.62	b 19.13	c 64.73	77	e 5.45	3.41	8.27	f 3.06	f 3.12	9.7	29.072	
April.....	14	5.25	b 19.64	43.00	d 67	2.55	1.59	10.00	3.30	3.65	11.5	29.125	
December....	6	2.25	15.13	26.89	80	1.66	1.04	10.64	3.25	3.74	12.0	29.205	
January.....	5	1.87	17.64	15.78	82	1.11	.69	10.99	3.88	4.55	12.2	29.221	
February....	5	1.87	18.38	20.03	81	1.29	.81	10.87	4.01	4.55	13.1	29.328	
March.....	4	1.50	b 21.44	24.63	75	1.39	.87	10.81	3.49	3.87	11.6	29.145	
May.....	3	1.12	b 20.21	c 51.37	d 70	e 3.44	2.15	9.53	3.31	3.81	11.9	29.099	
November....	3	1.12	16.34	38.10	76	2.43	1.52	10.16	f 2.97	f 3.22	14.4	29.182	

^a See foot-notes to Table 81, page 213.

^b Exceptions to the proposition that *more* than the average number of deaths from Diarrhea occurred in months when the Average Daily Range of Temperature was *greater* than the average, and *vice versa*.

^c Exceptions to the proposition that *more* than the average number of deaths from Diarrhea occurred in months when the Average Daily Temperature was *higher* than the average, and *vice versa*.

^d Exceptions to the proposition that *more* than the average number of deaths from Diarrhea occurred in months when the Relative Humidity of the Atmosphere was *less* than the average, and *vice versa*.

^e Exceptions to the proposition that *more* than the average number of deaths from Diarrhea occurred in months when the Absolute Humidity of the Atmosphere was *greater* than the average, and *vice versa*.

^f Exceptions to the proposition that *more* than the average number of deaths from Diarrhea occurred in months when the amount of Ozone in the Atmosphere was *less* than the average, and *vice versa*.

^g Exceptions to the proposition that *more* than the average number of deaths from Diarrhea occurred in months when the Average Daily Pressure of the Atmosphere was *greater* than the average, and *vice versa*.

Scarlet Fever.—The total number of deaths reported in 1883 from scarlet fever was 673, which was the largest number ever returned in this State. The average annual mortality from this malady, including a period of twelve

years, 1872-1883, was 472, a number less by 202 than was recorded in 1883. The very great degree to which scarlet fever selects its victims from among young children may be seen by reference to Table 72, where 370, or 54.98 per cent of all the deaths in 1883 were those of persons under five years of age; 561, or 83.36 per cent were under ten years of age.

With regard to season of year, as usual the greatest mortality occurred in the cold months, the largest number being in April and the least in August.

TABLE 86.—Deaths Returned in Michigan from Scarlet Fever, by Months, during the Year 1883, and some coincident Meteorological conditions.

MONTHS IN ORDER BY NUMBER OF DEATHS FROM SCARLET FEVER, GREATEST FIRST.			DEATHS FROM SCARLET FEVER, 1883.		TEMPERA- TURE, DEGREES FAHR.		HUMIDITY OF ATMOS- PHERE, ETC., MONTHLY AVERAGES.			OZONE,— RELATIVE MAXIMUM =10.		AVERAGE VELOCITY OF WIND, Miles per Hour, — by Registering Anemometer.		AVERAGE PRESSURE OF ATMOSPHERE, (Barom- eter Reduced to 32° Fahr.)		
			Number.	Per Cent of Total.	Av. Daily Range during Day and following Night by Registering Thermometers. Obs. at 7 A. M.	Average of Daily Observations at 7 A. M., 2 P. M., and 9 P. M.	Relative Humidity, or Per Cent of Saturation.	Weight, in Grains of Vapor, in a Cubic Foot of Air. ^a	Weight, in Troy Ounces, of Vapor Inhaled by one person in 24 hours. ^a	Weight, in Troy Ounces, of Vapor Exhaled from Air Passages in 24 hours in excess of vapor inhaled. ^a	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.				
Year 1883.....			673	100.00	18.92	43.52	75	3.17	1.98	9.70	3.19	3.47	11.0	29.189		
More than the Av. No. of Deaths.			April.....	74	11.00	19.64	43.00	67	2.55	1.59	10.09	3.30	3.65	11.5	29.125	
			March.....	69	10.25	21.44	24.63	75	1.39	.87	10.81	3.49	3.87	11.6	29.145	
			December.....	68	10.10	15.13	26.89	80	1.66	1.04	10.64	3.25	3.74	12.0	29.205	
			May.....	64	9.51	20.21	51.37	70	3.44	2.15	9.53	3.31	3.81	11.9	29.099	
			February.....	60	8.91	18.38	20.03	81	1.29	.81	10.87	4.01	4.55	13.1	29.328	
			January.....	59	8.77	17.64	15.78	82	1.11	.69	10.99	3.88	4.55	12.2	29.221	
			July.....	59	8.77	19.06	68.36	76	6.02	3.76	7.92	2.91	2.80	10.3	29.140	
Average.....			56	8.32	18.92	43.52	75	3.17	1.98	9.70	3.19	3.47	11.0	29.189		
Less than the Av. No. of Deaths.			November.....	53	7.87	16.34	38.10	76	2.43	1.52	10.16	2.97	3.22	14.4	29.182	
			June.....	50	7.43	19.13	64.73	77	5.45	3.41	8.27	3.06	3.12	9.7	29.072	
			October.....	44	6.54	15.70	46.73	76	3.22	2.01	9.67	2.87	3.28	9.4	29.275	
			September.....	43	6.39	21.08	57.24	75	4.31	2.69	8.99	2.65	2.61	8.1	29.238	
			August.....	30	4.46	22.65	65.41	71	5.20	3.25	8.43	2.63	2.40	8.0	29.233	

^a See foot-notes to Table 81, page 213.

^b Exceptions to the proposition that the Average Daily Temperature was *lower* than the average in months when *more* than the average number of deaths from Scarlet Fever occurred, and *vice versa*.

^c Exceptions to the proposition that the Absolute Humidity of the Atmosphere was *less* than the average in months when *more* than the average number of deaths from Scarlet Fever occurred, and *vice versa*.

Table 86 shows the relation of deaths from scarlet fever to certain atmospheric conditions. The proposition that the Average Daily Temperature was *colder* than the average in months when *more* than the average number of deaths

from scarlet fever occurred and *vice versa*, holds true in nine out of twelve months of 1883.

Consumption.—This disease still maintains its conspicuous place at the head of the causes of death in Michigan. In 1883 consumption was the occasion of 1,992 deaths, the largest number ever returned in this State for a single year. The average annual mortality from this cause for the fourteen years 1869-1882, was 1,567. The per cent of deaths from consumption to deaths from all causes is quite uniform from year to year, ranging from 10.15 per cent in 1873, to 13.48 per cent in 1869. The per cent in 1883 was 11.78, and the average for fourteen years, 1869-1882, was 11.96. These facts indicate that while the deaths from consumption have advanced during these years, still the increase has not been out of proportion to the advance in population.

Of the 1,992 deaths from consumption in 1883, 912 were males and 1,080 were females. There were, therefore, 84 male decedents to 100 females, or 54.22 females, and 45.78 males in each 100 decedents. During the fifteen years from 1869 to 1883, inclusive, the number of deaths returned from consumption in Michigan was 23,924, of which 11,068 were males and 12,856 were females. There were 86 male decedents to each 100 female decedents during all these years, or 46.26 males, and 53.74 females in each 100 decedents.

The following tabulated statements show the influence which the months and seasons have upon the mortality from consumption. In 1883, the largest monthly number of deaths occurred in April, and the largest quarterly period was the second. The least number of deaths was returned for January, and the quarter ending in March also reported the fewest deaths. For the fifteen years, 1869-1883, the highest monthly mortality appears for December and the lowest for January. The highest quarterly period was the second, thereby corresponding with the returns for 1883.

In reference to age, it may be noticed that the greatest mortality occurs between 20 and 30, not only for the year 1883, but also for the fifteen years; the relative proportions between the different periods of life differing but little in the two tabulations. From 5 to 40 the mortality among females was in excess, which reached its highest relative proportion between 20 and 30, at which period there were in the fifteen years but 65 deaths among males to 100 deaths among females. After 40 the deaths among males exceed those among females in the proportion of 127 to 100.

Table 87 shows the relation of deaths from consumption in 1883 to certain atmospheric conditions. There are five exceptions to the proposition that the Average Daily Temperature was *higher* than the average in months when *more* than the average number of deaths from consumption occurred, and *vice versa*.

Mortality from Consumption, by Months and Quarters, 1883.

	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
Months	125	137	186	197	182	183	168	183	146	149	138	190	8
Quarters.....	448			562			497			477			
Per Cent.....	22.49			28.21			24.95			23.95			.40

Mortality from Consumption by Sex, Months, and Age, 1869-1883.

	SEX.			MONTHS.												
	Males.	Females.	Total.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
es.....	11,068	.....	.....	632	743	995	1,051	1,030	882	863	943	991	913	896	1,067	42
males.....	12,856	.....	753	881	1,056	1,147	1,169	1,043	1,053	1,117	1,201	1,101	1,039	1,226	50
als.....	23,924	1,385	1,624	2,051	2,198	2,199	1,925	1,916	2,060	2,192	2,014	1,935	2,313	92
arters.....	5,060			6,322			6,168			6,282			.....
r Cent.....	21.15			26.43			25.78			26.26			.38

	AGES.											
	Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 and over.	Unknown.
es.....	825	147	168	643	2,442	1,832	1,430	1,285	1,255	736	118	187
males.....	796	160	397	1,492	3,732	2,273	1,362	969	830	510	105	200
als.....	1,621	307	565	2,135	6,174	4,105	2,792	2,254	2,085	1,246	223	387
r Cent.....	6.78	1.28	2.36	8.92	25.81	17.16	11.67	9.55	8.71	5.21	.93	1.62

Mortality from Consumption, by Sex and Age, 1883.

AGES.	Total Deaths.	Deaths from Consumption.	Per Cent at several Ages.	Males.	Females.
Under 10.....	7,488	137	6.88	73	64
10 to 20.....	1,181	240	12.65	76	164
20 to 30.....	1,563	547	27.46	232	315
30 to 40.....	1,128	354	17.77	146	208
40 to 50.....	988	260	10.04	97	103
50 to 60.....	1,020	183	9.19	133	80
60 to 70.....	1,254	109	8.48	98	71
70 to 80.....	1,229	110	5.52	65	45
80 and over.....	698	16	.89	8	8
Age not stated.....	295	36	1.81	14	22
Totals.....	15,906	1,992	100.00	912	1,080

TABLE 87.—CONSUMPTION.—Deaths from Consumption returned in Michigan, by Months, during the Year 1883, and some coincident Meteorological conditions.

MONTHS IN ORDER BY NUMBER OF DEATHS FROM CONSUMPTION, GREATEST FIRST.	DEATHS FROM CONSUMPTION, 1883.		TEMPERATURE, DEGREES FAHR.		HUMIDITY OF ATMOS- PHERE, ETC. MONTHLY AVERAGES.				OZONE,— RELATIVE MAXIMUM = 10.		Average Velocity of Wind, Miles Per Hour, by Registering Anemometer.	Average Pressure of Atmosphere. (Barometer Reduced to 32° Fahr.)
	Number.	Per Cent of Total.	Average Daily Range dur- ing Day and fol'g Night, by Reg. Thermometers, Observed at 7 A. M.	Average of Daily Observa- tions at 7 A. M., 2 P. M., and 9 P. M.	Relative Humidity, or Per Cent of Saturation.	Weight in Grains of Vapor in a Cubic Foot of Air. ^a	Weight, in Troy Ounces, of Vapor Inhaled by one Person in 24 hours. ^a	Weight, in Troy Ounces, of Vapor Exhaled from Air Passages in 24 hours in excess of vapor inhaled. ^a	Day—7 A. M. to 2 P. M.	Night—9 P. M. to 7 A. M.		
Year, 1883.....	1,984	100.00	18.92	43.52	75	3.17	1.98	9.70	3.19	3.47	11.0	29.189
More than the Average No. of Deaths.												
April.....	197	9.93	19.64	43.00	67	2.55	1.59	10.09	3.30	3.65	11.5	29.125
Dec.....	190	9.58	15.13	26.89	80	1.66	1.04	10.64	3.25	3.74	12.0	29.205
March.....	186	9.37	21.44	24.63	75	1.39	.87	10.81	3.49	3.87	11.6	29.145
June.....	183	9.22	19.13	64.73	77	5.45	3.41	8.27	3.06	3.12	9.7	29.072
Aug.....	183	9.22	22.65	65.41	71	5.20	3.25	8.43	2.63	2.40	8.0	29.233
May.....	182	9.17	20.21	51.37	70	3.44	2.15	9.53	3.31	3.81	11.9	29.099
July.....	168	8.47	19.06	68.36	76	6.02	3.76	7.92	2.91	2.80	10.3	29.140
Average.....	165	8.32	18.92	43.52	75	3.17	1.98	9.70	3.19	3.47	11.0	29.189
Less than the Av. No. of Deaths.												
Oct.....	149	7.51	15.70	46.73	78	3.22	2.01	9.67	2.87	3.28	9.4	29.275
Sept.....	146	7.36	21.68	57.24	75	4.31	2.69	8.99	2.65	2.61	8.1	29.238
Nov.....	138	6.96	16.34	38.10	76	2.43	1.52	10.16	2.97	3.22	14.4	29.182
Feb.....	137	6.91	18.38	20.03	81	1.29	.81	10.87	4.01	4.55	13.1	29.528
Jan.....	125	6.30	17.64	15.78	82	1.11	.69	10.99	3.88	4.55	12.2	29.221

^a See foot notes to Table 81, page 213.^b Excluding 8 deaths in unknown month.^c Exceptions to the proposition that the Average Daily Temperature was higher than the average in months when more than the average number of deaths from Consumption occurred, and vice versa.^d Exceptions to the proposition that more than an average amount of vapor was inhaled in months in which there was more than the average number of deaths from Consumption and vice versa.

Pneumonia.—The number of deaths returned from pneumonia in 1883 was 737, two more than were recorded in 1882. The average annual number of deaths from this cause for the fourteen years, 1869-1882, was 625, while the average for ten years, 1874-1883, was 689. The percentage of deaths from pneumonia to deaths from all causes, in 1883, was 4.36, while the average percentage for fourteen years, 1869-1882, was 4.70.

Of the 737 decedents from pneumonia, in 1883, 411 were males, and 326 were females, or there were 126 males to each 100 females. This proportion, for 1883, is much smaller than the average for ten years, 1873-1882, which was 140 males to each 100 females.

March and April are the two most fatal months, not only for the year 1883, but also for the average for ten years. The largest number (104) was in April, and the smallest (27) in September. The period of life in which this disease was most fatal was under five years of age, at which period 307, or 41.38 per cent of all the deaths occurred. This is about the usual average for that period. One hundred and eighty-three, or 24.83 per cent of the entire mortality from this cause were of persons over 50 years of age. It does not follow, however, because pneumonia is especially fatal at the extremes of life that it prevails the most at those epochs; on the contrary, it attacks all ages, but is resisted and recovered from more during middle life.

Table 89 shows the relation of deaths from pneumonia to certain atmospheric conditions. It appears that there are only three exceptions to the proposition that the Average Daily Temperature was *lower* than the average in months when *more* than an average number of deaths from pneumonia occurred and *vice versa*.

TABLE 88.—*By Months, the Number of Deaths Returned from Pneumonia, in Michigan, during each of the Years 1874-1883, and the Average for Ten Years ending with 1883.*

YEAR.	Total.	DEATHS FROM PNEUMONIA, 1874-1883.												
		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
1874.....	800	49	57	108	141	108	46	29	32	46	39	50	93	2
1875.....	745	85	116	128	88	73	36	21	17	31	42	41	65	2
1876.....	627	43	71	107	68	50	33	20	37	28	33	40	91	1
1877.....	465	58	56	64	60	39	24	14	23	26	26	35	38	2
1878.....	462	36	37	59	54	37	30	15	19	22	35	53	65	---
1879.....	701	44	92	114	102	59	36	30	31	42	25	45	80	1
1880.....	812	56	82	111	113	79	37	29	36	51	44	68	105	1
1881.....	805	77	88	126	100	70	37	39	29	47	55	43	91	3
1882.....	735	59	65	84	82	94	58	29	29	36	43	57	97	2
1883.....	737	76	61	97	104	89	40	30	42	27	41	53	76	1
Average for 10 years.....	689	58	73	100	91	70	38	26	30	36	39	49	80	2

TABLE 89.—Deaths returned from Pneumonia in Michigan during the year 1883, and some coincident Meteorological conditions.

MONTHS IN ORDER BY NUMBER OF DEATHS FROM PNEUMONIA, GREATEST FIRST.	DEATHS FROM PNEUMONIA, 1883.		TEMPERATURE, DEGREES FAHR.		HUMIDITY OF ATMOSPHERE, ETC., MONTHLY AVERAGES.				OZONE, RELATIVE MAXIMUM = 10.		Average Velocity of Wind, Miles per Hour, by Registering Anemometer.	Average Pressure of Atmosphere (Barometer reduced to 32° Fahr.).
	Number.	Per Cent of Total.	Average Daily Range during day and following night, by Registering Therm'rs, Observed at 7 A. M.	Average of Daily Observations at 7 A. M., 2 P. M., and 9 P. M.	Relative Humidity, or Per Cent of Saturation.	Weight in Grains of Vapor in a Cubic Foot of Air. ^a	Weight in Troy Ounces, of Vapor Inhaled, by one person in 24 hours. ^a	Weight in Troy Ounces, of Vapor Exhaled from Air Passages in 24 hours, in excess of Vapor inhaled. ^a	Day, 7 A. M. to 2 P. M.	Night, 9 P. M. to 7 A. M.		
Year, 1883.....	736	100.00	18.92	43.52	75	3.17	1.98	9.70	3.19	3.47	11.0	29.189
More than the Av. No. of Deaths.												
April.....	104	14.13	19.64	43.00	67	2.55	1.59	10.09	3.30	3.65	11.5	29.125
March.....	97	13.18	21.44	24.63	75	1.89	.87	10.81	3.49	3.87	11.6	29.145
May.....	89	12.09	20.21	c 51.37	70	3.44	d 2.15	9.53	3.31	3.81	11.9	29.069
January.....	76	10.33	17.64	15.78	82	1.11	.69	10.99	3.88	4.55	12.2	29.221
December.....	76	10.33	15.13	26.89	80	1.66	1.04	10.64	3.25	3.74	12.0	29.265
Average.....	61.3	8.33	18.92	43.52	75	3.17	1.98	9.70	3.19	3.47	11.0	29.189
Less than the Average No. of Deaths												
February.....	61	8.29	18.38	c 20.03	81	1.29	d .81	10.87	4.01	4.55	13.1	29.528
November.....	53	7.20	16.34	c 38.10	76	2.43	d 1.52	10.16	2.97	3.22	14.4	29.182
August.....	42	5.71	22.65	65.41	71	5.20	3.25	8.43	2.63	2.40	8.0	29.233
October.....	41	5.57	15.70	46.73	76	3.22	2.01	9.67	2.87	3.28	9.4	29.275
June.....	40	5.43	19.13	64.73	77	5.45	3.41	8.27	3.06	3.12	9.7	29.072
July.....	30	4.07	19.06	68.36	76	6.02	3.76	7.92	2.91	2.80	10.3	29.140
September.....	27	3.67	21.68	57.24	75	4.31	2.69	8.99	2.65	2.61	8.1	29.233

^a See foot-notes to Table 81, page 213.^b Excluding 1 in unknown month.^c Exceptions to the proposition that the Average Daily Temperature was lower than the average in months when more than an average number of deaths from Pneumonia occurred, and vice versa.^d Exceptions to the proposition that less than the average amount of vapor was inhaled in months when more than an average number of deaths from Pneumonia occurred, and vice versa.

Table 90 affords an opportunity of comparing the mortality from consumption, pneumonia, typhoid fever, scarlet fever, and diarrhea, in each of the eleven geographical divisions of the State. It will be seen that in 1883 consumption was the most fatal in the Southern Central division, pneumonia in the South-western, typhoid fever in the Upper Peninsular, scarlet fever in the North-western, and diarrhea in the South-eastern. Over 19 per cent of all the deaths in the North-western division were from scarlet fever alone. The number of counties included in each division may be seen by reference to Table 69.

TABLE 90.—*Exhibiting, for the State and Eleven Geographical Divisions in 1883, the Number and Per Cent of Deaths Returned from All Causes, from Consumption, Pneumonia, Typhoid Fever, Scarlet Fever, and Diarrhea.*

STATE AND GEOGRAPHICAL DIVISIONS.	Deaths from All Causes, 1883.	CONSUMPTION.		PNEUMONIA.		TYPHOID FEVER.		SCARLET FEVER.		DIARRHEA.	
		Number of Deaths.	Per Cent to Deaths from All Causes.	Number of Deaths.	Per Cent to Deaths from All Causes.	Number of Deaths.	Per Cent to Deaths from All Causes.	Number of Deaths.	Per Cent to Deaths from All Causes.	Number of Deaths.	Per Cent to Deaths from All Causes.
State.....	16,906	1,992	11.78	737	4.34	439	2.60	673	3.98	267	1.58
Upper-Peninsular.....	1,007	85	8.44	39	3.87	48	4.57	44	4.37	9	.89
North-western.....	630	47	7.46	33	5.24	15	2.40	123	19.52	12	1.90
Northern.....	391	41	10.49	15	3.84	6	1.53	18	4.60	6	1.53
North-eastern.....	310	34	10.97	9	2.90	3	.97	24	7.74	.....	.....
Western.....	1,988	253	12.73	89	4.48	52	2.62	89	4.47	52	2.62
Northern Central.....	467	52	11.13	14	3.00	16	3.43	17	3.64	4	.86
Bay and Eastern.....	2,618	275	10.50	94	3.59	83	3.17	81	3.09	46	1.76
Central.....	2,373	295	12.46	97	4.27	64	2.62	65	2.42	12	.53
South-western.....	940	133	14.15	62	6.60	24	2.55	11	1.17	4	.43
Southern Central.....	2,537	363	14.39	120	4.73	58	2.29	89	3.51	17	.67
South-eastern.....	3,745	412	11.00	165	4.41	72	1.92	112	2.99	105	2.80

In Table 91 may be seen the mortality from some of the most destructive zymotic diseases during a period of twelve years.

Deaths from dysentery and cholera infantum, two important zymotic diseases, may be found by reference to Table 84.

TABLE 91.—*Mortality in Michigan from some of the Prominent Zymotic Diseases.—Twelve Years.*

YEARS.	DISEASES.						
	Typhoid Fever.	Whooping Cough.	Croup.	Diphthe- ria.	Measles.	Scarlet Fever.	Small Pox.
1872.....	620	192	162	192	179	561	302
1873.....	677	206	172	217	244	573	90
1874.....	610	153	142	213	46	440	18
1875.....	433	101	167	207	134	423	26
1876.....	426	181	178	311	118	399	76
1877.....	446	131	164	593	62	404	102
1878.....	329	132	236	887	16	429	6
1879.....	397	162	278	1,473	167	418	6
1880.....	513	264	322	1,542	125	370	3
1881.....	884	142	380	2,063	256	383	82
1882.....	463	86	349	1,416	150	592	100
1883.....	439	92	336	1,007	258	673	5
Average.....	520	154	241	843	146	472	68

Not the least interesting feature of Table 92 is the increased number of deaths from Bright's disease since 1878. It is seen that 187 deaths were returned from this cause in 1883, while the average for the twelve years, 1872-1883, was only 56. Over 80 per cent of the decedents from Bright's disease in the past year were males, as may be seen by reference to Table 72. Season of year seems to have but little effect upon the fatality of this disorder, as 50.27 per cent of the deaths occurred in the first half of the year and 49.73 per cent in the second half.

TABLE 92.—*Mortality in Michigan from some of the Principal Local Diseases.—Twelve Years.*

YEARS.	DISEASES.					
	Convul- sions.	Heart Disease.	Bron- chitis.	Pleurisy.	Peri- tonitis.	Bright's Disease.
1872.....	145	310	25	20	13	11
1873.....	156	327	25	18		16
1874.....	144	340	34	15	8	14
1875.....	164	308	43	14	14	11
1876.....	185	339	43	19	8	22
1877.....	298	394	42	14	8	35
1878.....	288	368	46	16	11	32
1879.....	275	451	53	20	16	36
1880.....	348	482	50	26	12	80
1881.....	337	518	76	19	20	89
1882.....	356	562	106	16	21	128
1883.....	344	684	89	20	16	187
Average.....	254	424	53	18	13	56

The developmental diseases, given in Table 93, show an increase in 1883, over those for 1882, and also over the average for twelve years. Deaths from old age show an increase of 183, and the deaths of infants, both before and after birth, an increase of 326 over the average for the past twelve years. The number of deaths from child-birth in 1883 was much larger than the average, and was exceeded in only one year of the twelve, that of 1873. Deaths from abortion were three more, and from puerperal convulsions the same as the average. The mortality from the term "teething" was lower than for the past few years, and also for the average.

TABLE 93.—*Mortality in Michigan from Chief Developmental Diseases.—Twelve Years.*

YEARS.	DISEASES.					
	Teething.	Still-born, Infantile, Premature.	Child- birth.	Abortion.	Puerp. Convul- sions.	Old Age.
1872.....	103	301	218	10	4	400
1873.....	106	346	254	9	5	428
1874.....	89	510	197	7	4	428
1875.....	71	701	173	10	5	373
1876.....	77	716	141	7	6	483
1877.....	66	785	151	6	5	499
1878.....	60	858	161	7	3	579
1879.....	40	787	193	12	5	666
1880.....	49	808	193	6	2	625
1881.....	84	761	192	8	-----	725
1882.....	83	890	199	9	3	647
1883.....	55	1,034	221	12	4	736
Average.....	74	708	191	9	4	543

TABLE 94.—*Mortality in Michigan from some of the Prominent Violent Causes.—Twelve Years.*

YEARS.	Burns and Scalds.	Poison.	Railroad Acci- dents.	Drowning.	Freezing.	Homicide.	Suicide.	Total.
1872.....	54	23	39	90	3	8	35	232
1873.....	88	21	53	107	3	16	39	327
1874.....	71	21	47	116	5	11	53	324
1875.....	70	15	33	108	4	17	52	299
1876.....	66	19	37	172	4	12	54	364
1877.....	60	21	42	103	1	14	66	307
1878.....	66	27	46	117	2	11	63	332
1879.....	64	15	40	122	5	15	59	320
1880.....	64	22	40	179	3	7	65	380
1881.....	175	25	75	125	2	15	57	474
1882.....	57	22	58	140	3	11	62	353
1883.....	65	33	109	158	-----	15	91	471
Average.....	75	22	52	128	3	13	58	350

The number of deaths from some of the principal violent causes for the past twelve years may be seen in Table 94. The greatest increase in 1883 over the average was from railroad accidents, drowning, and from suicide.

Table 95 shows the number of deaths returned in Michigan from disorders of the brain for the past twelve years, and also the average for those years. One important fact is here made apparent, by a study of this table, that diseases of the brain have decidedly increased during the past twelve years. In 1883, 16 males and 6 females were returned from softening of the brain; 39 males and 46 females from apoplexy; 206 males and 139 females from paralysis; 13 males and 9 females from insanity; 163 males and 130 females from cephalitis; and 85 males and 61 females from unspecified brain diseases. Total, 913,—522 males, 391 females.

TABLE 95.—Deaths in Michigan from Brain Disorders.—Twelve Years.

YEARS.	Softening of the Brain.	Apoplexy.	Paralysis.	Insanity.	Cephalitis and Un- specified Brain Diseases.	Totals.
1872.....	17	70	154	11	522	774
1873.....	19	81	170	12	514	796
1874.....	15	63	169	7	466	660
1875.....	29	89	170	8	396	634
1876.....	30	107	230	13	452	832
1877.....	29	85	246	17	456	833
1878.....	25	91	241	11	370	738
1879.....	25	103	262	7	400	797
1880.....	27	119	278	8	475	907
1881.....	23	110	258	10	541	942
1882.....	36	87	357	8	448	936
1883.....	22	85	345	22	439	913
Average.....	25	91	240	11	447	814

As might be expected from Table 96, deaths from old age and those aged 70 and over occurred in the largest proportion in the older and longer settled portions of the State, while deaths from those aged under 5 occurred in the greatest ratio in the newer portions of the State.

TABLE 96.—*Exhibiting, for the State and Eleven Geographical Divisions, the Number and Per Cent of Deaths Returned at All Ages, from Old Age, of All Aged 70 and Over, and of All Aged Under 5, during the Year 1883.*

STATE AND GEOGRAPHICAL DIVISIONS.	Deaths at All Ages, 1883.	OLD AGE.		AGED 70 AND OVER.		AGED UNDER 5.	
		Number of Deaths.	Per Cent to Deaths at All Ages, by Geo-graphical Divisions.	Number of Deaths.	Per Cent to Deaths at All Ages, by Geo-graphical Divisions.	Number of Deaths.	Per Cent to Deaths at All Ages, by Geo-graphical Divisions.
State	16,906	726	4.29	1,937	11.46	6,469	38.26
Upper-Peninsular	1,007	20	1.99	38	3.77	514	51.04
North-western	630	9	1.43	22	3.49	334	53.02
Northern	391	10	2.56	24	6.14	188	48.08
North-eastern	310	6	1.94	19	6.13	168	54.19
Western	1,988	63	3.17	177	8.90	834	41.95
Northern-Central	467	12	2.57	28	6.00	180	38.54
Bay and Eastern	2,618	106	4.05	220	8.40	1,162	44.38
Central	2,273	113	4.97	338	14.87	666	29.30
South-western	940	47	5.00	163	17.34	285	30.32
Southern-Central	2,537	156	6.15	516	20.34	619	24.39
South-eastern	3,745	184	4.91	392	10.47	1,519	40.56

Table 97 shows the average age at death of each of the sexes, and of both, for the years 1881, 1882, 1883, and the average for ten years 1873-1882. The average age at death in 1883 was slightly more advanced, in both sexes, than in 1882, and also more than for the average. It will be seen that the average age of all the male decedents in 1883 was twenty-seven years, and of all the female decedents 26 years. Of those who died aged 20 years and over, the average age of the males was 54 years, and of the females 50 years. Of the deaths from consumption in 1883, the average age of the males was 38 years, and the average age of the females 33 years.

TABLE 97.—*Showing the Average Age of Decedents in Michigan during the Years 1881, 1882, 1883, and the Average for Ten Years 1873-1882.*

	YEAR ENDING	AVERAGE AGE IN YEARS AND 100THS OF A YEAR.			
		Total.	Males.	Fe- males.	Excess, Males.
Deaths as shown by Registration Returns.....	Dec. 31, 1881.	24.08	24.55	23.70	.85
Deaths of Native-born Inhabitants, as shown by Regis- tration returns.....		18.86	18.74	19.14	-.40
Deaths of Foreign-born Inhabitants, as shown by Reg- istration returns.....		45.43	46.03	44.66	1.37
Deaths from Consumption, by Registration returns.....		35.88	37.04	34.93	3.11
All aged 20 and over whose occupations were stated in Registration returns of deaths.....		51.61	53.12	49.90	3.22
All who died aged 20 years and over as shown by Reg- istration returns.....		51.35	52.60	49.90	2.70
Deaths of Native-born Inhabitants aged 20 years and over, as shown by Registration returns.....		50.37	52.38	48.31	4.07
Deaths of Foreign-born Inhabitants aged 20 years and over, as shown by Registration returns.....		52.76	52.80	52.74	.06
Deaths as shown by Registration returns.....		25.74	26.46	25.07	1.39
Deaths of Native-born Inhabitants as shown by Regis- tration returns.....		20.16	20.33	20.12	.21
Deaths of Foreign-born Inhabitants as shown by Regis- tration returns.....	Dec. 31, 1882.	46.51	47.58	45.84	1.74
Deaths from Consumption by Registration returns.....		36.43	39.16	34.22	4.94
All aged 20 and over whose occupations were stated in Registration returns of deaths.....		52.24	53.56	50.78	2.78
All who died aged 20 years and over as shown by Regis- tration returns.....		52.22	53.51	50.74	2.77
Deaths of Native-born Inhabitants aged 20 years and over, as shown by Registration returns.....		51.49	53.71	49.19	4.52
Deaths of Foreign-born Inhabitants aged 20 years and over, as shown by Registration returns.....		53.42	54.12	53.37	.75
Deaths as shown by Registration returns.....		26.81	27.55	26.37	1.18
Deaths of Native-born Inhabitants as shown by Regis- tration returns.....		20.88	21.13	20.81	.32
Deaths of Foreign-born Inhabitants, as shown by Regis- tration returns.....		47.90	47.61	46.03	1.58
Deaths from Consumption by Registration returns.....		35.71	38.16	33.69	4.47
All aged 20 and over whose occupations were stated in Registration returns of deaths.....	Dec. 31, 1883.	52.24	55.41	49.01	6.40
All who died aged 20 years and over, as shown by Reg- istration Returns.....		51.97	54.06	50.13	3.93
Deaths of Native-born Inhabitants aged 20 years and over, as shown by Registration returns.....		51.11	54.04	48.11	5.93
Deaths of Foreign-born Inhabitants aged 20 years and over, as shown by Registration returns.....		53.87	52.81	52.62	.19
Deaths as shown by Registration returns.....		26.10	26.76	25.40	1.36
Deaths of Native-born Inhabitants, as shown by Regis- tration returns.....		20.84	21.40	20.86	.54
Deaths of Foreign-born Inhabitants, as shown by Reg- istration returns.....		47.35	47.93	45.92	2.01
Deaths from Consumption by Registration returns.....		36.22	39.25	33.73	5.52
All aged 20 and over whose occupations were stated in Registration returns of deaths.....		51.66	53.96	49.48	4.48
All who died aged 20 years and over, as shown by Regis- tration returns.....		51.62	53.42	49.58	3.84
Deaths of Native-born Inhabitants aged 20 years and over, as shown by Registration returns.....	Av. for 10 y., 1873-1882.	51.08	53.85	48.71	5.14
Deaths of Foreign-born Inhabitants aged 20 years and over, as shown by Registration returns.....		53.05	53.70	52.00	1.70

OCCUPATIONS.

Table 98 shows the occupations, so far as stated, of those who died in Michigan during the fourteen years from 1870 to 1883. All under twenty years of age are excluded from the table. As the statistics here presented give the average age at death among the different classes of occupations for a period of fourteen years, they are more valuable than those for any single year. They are arranged under several classes by way of comparison, so as to throw some light upon the healthfulness of different pursuits.

Cultivators of the earth have an average at death of 58.32 years, being the highest of any of the classes in the table. In 1882, for a single year, the average age among cultivators of the earth was 59.58 years. Next in order comes unemployed with an average age of 55.23 years, then professional men with an average age of 52.23 years. The shortest lived were those classified as seafaring men—Class VII.—whose average age was only 41.76 years. The particular occupations included in each class may be seen by reference to the table, where it will be quite interesting to note the average age of some of the more important trades and professions.

If the number and average age of the living among these various classes of persons were known, it would add greatly to the value of these statistics. Change of occupation is the rule rather than the exception in this country, and for this reason, the facts here given are not of as much value as in countries where father and son follow the same pursuit from generation to generation.

TABLE 98.—*Exhibiting, by Classified Occupations, the Number, Aggregate and Average Age of Decedents in Michigan aged 20 Years and Over, for the 14 Years, 1870-1883. One-half Year added to Age of each for Months and Days excluded.*

CLASS.	OCCUPATIONS,—14 YEARS 1870-1883.	Number of Persons.	AGE IN YEARS AND HUNDREDTHS OF A YEAR.	
			Aggregate.	Average.
	ALL AGED 20 YEARS AND OVER.....	75,679	3,905,464.50	51.61
	ALL SPECIFIED OCCUPATIONS,—AGED 20 YEARS AND OVER..	71,005	3,668,072.50	51.59
	OCCUPATIONS UNSPECIFIED,—AGED 20 YEARS AND OVER....	4,584	237,392.00	51.79
I.	CULTIVATORS OF THE EARTH.....	21,011	1,225,407.50	58.32
II.	ACTIVE MECHANICS ABROAD.....	2,188	113,101.00	51.69
III.	ACTIVE MECHANICS IN SHOPS.....	2,750	139,946.00	50.89
IV.	INACTIVE MECHANICS IN SHOPS.....	1,383	71,810.50	51.92
V.	LABORERS,—NO SPECIAL TRADES.....	6,774	298,986.00	44.14
VI.	AGENTS, LABORERS ABROAD, ETC.....	1,386	59,555.00	42.97
VII.	SEAFARING MEN.....	534	22,302.00	41.76
VIII.	SOLDIERS.....	32	1,617.00	50.53
IX.	BUSINESS MEN.....	3,171	150,060.50	47.32
X.	PROFESSIONAL MEN.....	1,216	63,510.00	52.23
XI.	UNEMPLOYED.....	2,977	164,429.50	55.23
XII.	FEMALES.....	32,257	1,594,739.50	49.44

TABLE 98 —CONTINUED.—*Occupations of Decedents, Etc.*

CLASS.	OCCUPATIONS,—14 YEARS, 1870-1883.	Number of Persons.	AGE IN YEARS AND HUNDREDTHS OF A YEAR.	
			Aggregate.	Average.
I.	CULTIVATORS OF THE EARTH.....	21,011	1,225,407.50	58.32
	Farmers	20,702	1,208,856.00	58.39
	Farm Laborers.....	107	3,879.50	36.26
	Fruit Growers.....	12	640.00	53.33
	Gardeners.....	142	8,774.00	61.79
	Nurserymen.....	11	552.50	50.23
	Retired Farmers.....	37	2,705.50	73.12
II.	ACTIVE MECHANICS ABROAD.....	2,188	113,101.00	51.69
	Brick-makers.....	23	1,321.50	57.48
	Carpenters and Builders.....	1,581	80,759.50	51.08
	House-movers.....	5	290.50	58.10
	Masons.....	428	22,362.00	52.25
	Millwrights.....	64	3,959.00	61.96
	Ship Carpenters.....	47	2,458.50	52.27
	Stone Cutters.....	40	1,952.00	48.80
III.	ACTIVE MECHANICS IN SHOPS.....	2,750	139,946.00	50.89
	Bakers.....	74	3,820.00	51.62
	Blacksmiths.....	522	28,603.00	54.80
	Roller-makers.....	23	899.50	39.11
	Book-binders.....	8	343.00	42.83
	Brewers.....	75	3,498.50	46.65
	Broom-makers.....	7	369.50	52.79
	Cabinet-makers.....	117	6,219.50	53.16
	Carriage-makers.....	137	7,885.50	57.56
	Carriage Trimmers.....	6	292.00	48.67
	Confectioners.....	15	698.50	46.57
	Cooks.....	30	1,421.00	47.37
	Coopers.....	272	15,280.00	56.18
	Coppersmiths.....	8	488.00	61.00
	Dyers.....	11	560.50	53.68
	Finishers.....	15	454.50	30.30
	Foundrymen.....	11	539.50	49.05
	Gilders.....	7	232.50	33.21
	Gunsmiths.....	39	2,227.50	57.12
	Machinists.....	159	8,177.50	51.43
	Marble-workers.....	18	723.00	40.17
	Mechanics.....	342	16,340.00	47.78

TABLE 98.—CONTINUED.—*Occupations of Decedents, Etc.*

CLASS.	OCCUPATIONS,—14 YEARS, 1870-1883.	Number of Persons.	AGE IN YEARS AND HUNDRETHS OF A YEAR.	
			Aggregate.	Average.
	Millers.....	901	10,964.50	54.55
	Model-makers.....	14	758.00	54.14
	Molders.....	101	3,962.50	39.23
	Painters.....	278	11,705.00	42.10
	Plasterers.....	15	754.50	50.30
	Plumbers.....	17	771.50	45.38
	Potters.....	5	341.50	68.30
	Sail-makers.....	4	193.00	48.75
	Saw-makers.....	4	199.00	49.75
	Spinners.....	51	3,633.5	71.05
	Stove-mounters.....	7	294.50	42.07
	Tanners.....	30	1,671.00	55.70
	Tinners.....		2,720.50	41.85
	Turners.....	21	864.50	41.17
	Upholsterers.....	16	553.00	34.56
	Wagon-makers.....	20	1,222.00	61.10
	Wood Carvers.....	5	242.50	48.50
IV.	INACTIVE MECHANIC IN SHOPS.....	1,383	71,810.50	51.92
	Barbers.....	101	4,124.50	40.84
	Basket-makers.....	13	893.50	68.88
	Cigar-makers.....	86	3,098.00	36.02
	Harness-makers.....	122	5,603.00	45.93
	Jewelers.....	80	3,851.00	48.14
	Lithographers.....	4	96.00	24.00
	Printers.....	89	3,098.50	34.81
	Shoemakers.....	550	22,874.00	59.77
	Silversmiths.....	4	151.00	37.75
	Tailors.....	294	16,600.00	56.46
	Telegraphers.....	40	1,419.00	35.48
V.	LABORERS,—NO SPECIAL TRADES.....	6,774	298,936.00	44.14
	Choppers.....	8	285.00	35.62
	Ditchers.....	8	497.00	62.13
	Janitors.....	16	956.00	59.75
	Laborers.....	5,680	255,190.00	44.93
	Loggers.....	22	728.00	33.00
	Mill-hands.....	165	6,616.50	40.10
	Miners.....	670	26,191.00	39.09

TABLE 98.—CONTINUED.—*Occupations of Decedents, E'tc.*

AGE.	OCCUPATIONS,—14 YEARS, 1870-1883.	Number of Persons.	AGE IN YEARS AND HUNDREDTHS OF A YEAR.	
			Aggregate.	Average.
V.	LABORERS,—NO SPECIAL TRADES—(Continued.)			
	Miscellaneous.....	112	5,226.04	46.66
	Porters.....	15	517.50	34.50
	River Men.....	12	330.00	27.50
	Salt Packers.....	4	222.00	55.50
	Servants.....	27	1,056.50	39.13
	Well-diggers.....	13	514.50	39.58
	Woodsmen.....	22	658.00	29.91
VI.	AGENTS, LABORERS ABROAD, ETC.....	1,386	59,555.00	42.97
	Agents.....	79	3,687.50	46.68
	Baggagemen.....	18	693.00	38.50
	Brakemen.....	91	2,475.50	27.20
	Butchers.....	172	7,773.00	45.19
	Collectors.....	8	373.00	46.63
	Commercial Travelers.....	27	1,105.50	40.94
	Conductors.....	46	1,683.00	36.59
	Constables.....	11	526.50	47.86
	Draymen.....	59	3,063.50	51.94
	Drovers.....	38	1,822.00	47.95
	Hackmen.....	35	1,718.50	49.10
	Hostlers.....	12	532.00	44.33
	Hunters and Trappers.....	30	1,449.00	48.30
	Milk Peddlers.....	7	433.50	61.93
	Overseers and Superintendents.....	23	1,046.50	45.50
	Peddlers.....	98	4,829.00	49.23
	Policemen.....	18	710.00	39.44
	Railroad Engineers.....	248	9,981.00	40.25
	Railroad Expressmen.....	11	475.50	43.23
	Railroad Firemen.....	42	1,326.00	31.57
	Railroad Laborers.....	110	4,224.00	38.39
	Railroad Men.....	30	1,326.00	46.20
	Sextons.....	7	387.50	55.36
	Switchmen.....	10	275.00	27.50
	Teamsters.....	133	6,294.50	47.33
	Tollgate-keepers.....	4	240.00	60.00
	Watchmen.....	14	697.00	49.79
	Whitewashers.....	5	348.50	69.70

TABLE 98.—CONTINUED.—*Occupations of Decedents, Etc.*

CLASS.	OCCUAPTIONS,—14 YEARS, 1870-1883.	Number of Persons.	AGE IN YEARS AND HUNDREDTHS OF A YEAR.	
			Aggregate.	Average.
VII.	SEAFARING MEN.....	534	23,302.00	41.78
	Fishermen.....	95	4,331.50	45.59
	Officers	38	1,968.00	49.16
	Sailors	396	15,812.00	39.93
	United States Navy.....	5	290.50	58.10
VIII.	SOLDIERS.....	32	1,617.00	50.53
	Officers	5	276.50	55.30
	Soldiers	27	1,340.50	49.65
IX.	BUSINESS MEN.....	3,171	150,060.50	47.32
	Bankers	68	3,963.00	58.27
	Book keepers.....	150	5,949.00	39.66
	Capitalists.....	45	2,689.50	59.77
	Clerks	398	13,515.00	33.96
	Commission Merchants.....	18	968.00	53.78
	Contractors and Jobbers.....	46	2,651.00	57.63
	Druggists.....	80	3,497.00	43.71
	Furniture Dealers.....	6	261.00	43.50
	Grain Buyers.....	16	803.00	50.19
	Grocers.....	139	6,550.50	47.13
	Hatters	14	771.00	55.07
	Hotel Clerks.....	6	236.00	37.67
	Hotel-keepers	221	11,401.50	51.59
	Insurance Agents.....	35	1,824.50	52.13
	Justices of the Peace.....	26	1,702.00	65.46
	Liquor Dealers.....	13	566.50	43.58
	Livery men.....	44	1,949.00	44.30
	Lumbermen.....	361	16,723.50	46.33
	Manufacturers.....	140	7,148.00	51.06
	Merchants.....	797	41,124.50	51.60
	News Agents.....	10	379.00	37.90
	Public Officers.....	108	5,616.00	52.00
	Real Estate Dealers.....	37	2,114.50	57.15
	Restaurant-keepers	20	936.00	46.80
	Salesmen	44	1,914.00	43.50
	Saloon-keepers.....	300	13,251.00	44.17
	Undertakers	14	758.00	54.14
	All Others.....	15	908.50	60.57

TABLE 98.—CONTINUED.—*Occupations of Decedents, E'tc.*

CLASS.	OCCUPATIONS,—14 YEARS, 1870-1883.	Number of Persons.	AGE IN YEARS AND HUNDRETHS OF A YEAR.	
			Aggregate.	Average.
X.	PROFESSIONAL MEN.....	1,218	63,510.00	52.23
	Actors.....	6	247.00	41.17
	Architects.....	9	434.50	48.28
	Artists.....	24	989.00	41.21
	Attorneys at Law.....	178	9,477.00	53.24
	Civil Engineers.....	37	2,131.50	57.61
	Clergymen.....	238	15,203.00	63.88
	Dentists.....	39	1,742.50	44.68
	Editors.....	27	1,191.50	44.13
	Judges.....	4	222.00	55.50
	Musicians.....	35	1,531.50	43.76
	Photographers.....	18	479.50	36.87
	Physicians.....	365	20,621.50	56.50
	Students.....	63	1,462.50	23.21
	Teachers.....	160	6,718.00	41.99
	Veterinary Surgeons.....	18	1,059.00	58.83
XI.	UNEMPLOYED.....	2,977	164,429.50	55.23
	Paupers.....	93	5,460.50	58.72
	Pensioners.....	5	384.50	76.90
	Retired.....	60	4,301.00	71.68
	Unemployed.....	1,072	63,150.00	58.91
	Unknown.....	1,733	90,583.50	52.27
	All others.....	14	550.00	39.29
XII.	FEMALES.....	32,257	1,594,739.50	49.44
	Actresses.....	3	81.50	27.17
	Agents.....	7	243.50	34.79
	Artists.....	9	419.50	46.61
	At Home.....	116	3,249.00	28.01
	Basket-makers.....	9	423.50	47.06
	Boarding-house keepers.....	19	1,127.50	59.34
	Book-keepers.....	3	153.50	51.17
	Cigar-makers.....	3	91.50	30.50
	Clerks.....	22	644.00	29.27
	Confectioners.....	6	259.00	43.17
	Domestics.....	648	25,882.00	39.94
	Dress-makers.....	204	6,854.00	33.60
	Druggists.....		154.50	51.50

TABLE 98.—CONTINUED.—*Occupations of Decedents, Etc.*

CLASS.	OCCUPATIONS,—14 YEARS, 1870-1883.	Number of Persons.	AGE IN YEARS AND HUNDRETHS OF A YEAR.	
			Aggregate.	Average.
XII.	FEMALES—(Continued.)			
	Farmers.....	2,016	108,608.00	53.87
	Hair-dressers.....	14	496.00	35.36
	Hotel-keepers.....	38	1,722.00	45.32
	Housekeepers.....	8,132	422,168.00	51.91
	Housewives.....	12,840	607,025.00	47.46
	House-workers.....	896	41,179.00	44.94
	Laborers.....	211	10,470.50	49.43
	Manufacturers.....	8	400.00	50.00
	Matrons.....	72	3,762.00	52.25
	Merchants.....	33	1,611.50	48.83
	Millers.....	8	424.00	53.00
	Milliners.....	122	4,450.00	36.43
	Ministers.....	3	135.50	45.17
	Miscellaneous.....	125	5,761.50	46.09
	Musicians.....	20	686.00	34.30
	Nurses.....	53	3,136.50	59.13
	Paupers.....	44	2,309.00	52.43
	Physicians.....	16	924.00	57.75
	Prostitutes.....	16	415.00	25.96
	Saloon-keepers.....	9	402.50	44.72
	Seamstresses.....	173	7,020.50	40.58
	Spinsters.....	10	573.00	57.30
	Students.....	22	484.00	22.00
	Tailloresses.....	101	5,483.50	54.29
	Teachers.....	360	10,605.00	29.46
	Telegraphers.....	4	107.00	26.75
	Unemployed.....	2,869	159,498.50	55.59
	Unknown.....	2,851	146,908.50	51.49
	Washerwomen.....	44	2,014.00	45.77
	Weavers.....	85	5,747.50	67.63
	Widows.....	10	735.00	73.50

EIGHTEENTH ANNUAL REPORT

RELATING TO THE REGISTRY AND RETURN OF

BIRTHS, MARRIAGES, AND DEATHS,

IN MICHIGAN,

FOR THE YEAR 1884.

BY THE

SECRETARY OF STATE,

OF THE

STATE OF MICHIGAN.



BY AUTHORITY.

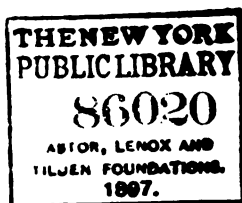
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STATE OF MICHIGAN.

DEPARTMENT OF STATE, }
OFFICE OF THE SECRETARY, }
June 30, 1886.

HON. RUSSELL A. ALGER, *Governor of Michigan*:

SIR,—In accordance with the requirements of the law of this State I have the honor to submit herewith the Eighteenth Annual Report relating to Births, Marriages and Deaths, returned for the year ending December 31, 1884.

The present report, while embracing tables upon the same subjects, and formed after similar plans with those of last year, contains also some new features of interest. The Census of Michigan, taken by the State in 1884, has been made available in the preparation of this report, and constitutes a part of the tables. This affords an opportunity of comparing the rates of births, marriages and deaths among the native and foreign population. These figures are obviously more accurate and reliable than those of the reports of some previous years, which were necessarily based upon the U. S. Census of 1880.

A more or less accurate system of registration has now been established in nearly every civilized nation. Without doubt great progress has been made in collecting these statistics, but very much yet remains to be done before omissions and inaccuracies shall entirely disappear. Under the present registration law, as practiced in Michigan, about one-third of the year has passed before an attempt is made to collect the data of the previous year. As might be expected, many births and deaths are omitted in the enumeration. This is no longer a matter of conjecture, but a fact well known to all who are familiar with the subject. In order to secure more accurate and valuable returns of births and deaths, the facts in regard to them

should be placed upon record at the time they occur, before they are forgotten or the parties move away, as is often the case. It should be the earnest effort of all concerned to make our records as complete and valuable as possible, not only as a matter of State pride, but also because essential aid is thereby given to sanitary science and the great subjects with which it has to deal. It is earnestly hoped that the Legislature of 1887 will so amend the law that our statistics will at least be placed upon an equal footing with those of Massachusetts and some other States.

Statistical reports of this kind require a great amount of work in their compilation, and for this reason cannot be made ready for publication as soon as ordinary public documents. The present report appears in print, however, within a year from the time the returns were received at this office.

Respectfully submitted,

A large, elegant handwritten signature in dark ink, likely belonging to the Secretary of State mentioned in the text below.

Secretary of State.

BIRTHS, MARRIAGES, AND DEATHS,

IN MICHIGAN,

DURING THE YEAR 1884.

statistics of Michigan for the year 1884 are contained in the accompanying exhibits. This is the Eighteenth Annual Report on this subject, and as based upon returns received by the Secretary of State from the clerks of counties.

gives a summary statement of the returns for 1884, from which it appears births, 15,002 marriages, and 18,056 deaths were recorded during the year, e of 73,466, or 669 less than during the year 1883.

ge annual number of births returned for the ten years 1874-1883 was 34,793, ss by 5,615 than was reported for 1884. The average annual number of eturned for the same period of years was 13,950, and the average number of 3. In both marriages and deaths it is seen that the average number is much e number returned for 1884. As compared with 1883, we find that the num- s returned for 1884 was less by 401, the number of marriages less by 1,418, iber of deaths greater by 1,150.

tal increase of population, or excess of births over deaths, was 22,352, or an the natural increase in 1883, although 2,142 more than the average for s 1874-1883.

.,—*Births, Marriages, and Deaths Returned as having occurred in Michigan ch of the Years 1881 to 1884, inclusive, including those in unknown Month, ed, and as Corrected for Omissions in the Enumeration.*

	1881.	1882.	1883.	1884.	Average, 10 Years. 1874-1883.
Births	15,894	16,796	16,979	15,002	13,950
Marriages	34,749	37,026	40,800	40,408	34,793
Deaths	19,238	16,425	16,900	18,056	14,583
Excess over deaths	15,511	20,601	23,903	22,352	20,210
Population	49,800	49,813	56,215	55,156	50,652
.....	27,387	27,306	23,640	25,133	21,814
.....	22,413	22,507	32,575	30,023	28,888

ends up to Nov. 11, 1885.

POPULATION.

We have at hand the present year the results of the census of June 1, 1884, taken under the provisions of the comprehensive census law of 1883. It has been compiled with great care, and its results are correspondingly accurate.

The population of Michigan June 1, 1884, was 1,853,658, and the population in June, 1880, was 1,636,937. This shows a gain of 216,721, and represents an average annual rate of increase of 3.156 per cent. between the census years. According to this rate of increase the population of the State for each of the years 1880-1884 was as follows:

Years.	Population.
1880.....	1,636,937
1881.....	1,688,509
1882.....	1,741,891
1883.....	1,796,805
1884.....	1,853,658

According to the census of 1894, there were 974,424 males and 879,028 females in Michigan, or an excess of 95,396 males in the population. In every one thousand of the population there were 526 males and 474 females, or 110.85 males to 100 females.

The census also shows that the native-born inhabitants, which includes all born in the United States, numbered 1,357,639, or nearly three-fourths of the whole population, while 486,968, or more than one-fourth, were born in foreign countries.

The following shows the age-distribution of the population, in periods of five years:

Ages.	Number.	Ages.	Number.
Under 5.....	225,973	45 to 50.....	81,001
5 to 10.....	217,627	50 to 55.....	75,795
10 to 15.....	196,224	55 to 60.....	51,716
15 to 20.....	183,643	60 to 65.....	43,906
20 to 25.....	186,451	65 to 70.....	29,986
25 to 30.....	166,943	70 to 75.....	19,663
30 to 35.....	136,173	75 to 80.....	11,058
35 to 40.....	119,442	80 and over.....	7,600
40 to 45.....	102,278	Ages not stated.....	1,656

The nativity of the population at different periods of age may be seen in the following:

	Under 15.	20 to 29.	30 and Over.
Native-born.....	47	215,189	630,727
Foreign-born.....		128	584,088
The State.....			1,022,815

Exhibit B is a condensed statement of many important relations which exist between births, marriages, deaths, and inhabitants of the State. The natural daily increase of population in 1884, according to the returns of births and deaths, is less than in 1883 but greater than in the previous years. In the statements for the years 1880-1883, the population in 1880 was used as the basis of calculations, while for the year 1884 the population for that year was used.

Exhibit B also shows that, in 1884, one child was born to every 45 persons of the population, that one marriage was solemnized to every 123 persons, and that one death occurred to every 102 persons.

EXHIBIT B.—Statements concerning Births, Marriages, and Deaths in Michigan during the Years 1880-1884, inclusive.

	1880. ^a	1881. ^a	1882. ^a	1883. ^a	1884. ^b
Inhabitants represented by returns of marriages to one marriage.....	109.82	102.99	97.40	96.41	123.56
In population, represented by marriages, males to one marriage.....	57.59	54.25	51.34	50.79	64.95
In population, represented by marriages, females to one marriage.....	51.73	47.73	46.12	45.62	58.59
Inhabitants represented by births to each child returned.....	46.07	46.90	44.11	40.02	45.78
Inhabitants, males to each male child returned.....	46.61	47.82	44.85	40.57	46.49
Inhabitants, females to each female child returned..	45.65	46.08	43.41	39.58	45.20
Inhabitants represented by deaths to one death.....	100.86	84.31	69.34	96.59	102.40
Inhabitants, males to one death of male.....	98.86	83.18	68.68	94.48	101.38
Inhabitants, females to one death of female.....	103.84	86.23	100.85	99.74	104.61
Deaths, males to 100 females.....	116.67	115.19	113.69	117.46	114.36
Births, males to 100 females.....	108.79	107.13	107.83	108.52	107.70
Total population of State, males to 100 females.....	111.33	111.33	111.33	111.33	110.86
Births to one death.....	2.19	1.81	2.23	2.41	2.24
Births, males to one death of male.....	2.13	1.75	2.20	2.33	2.18
Births, females to one death of female.....	2.28	1.88	2.32	2.52	2.33
Children born of which the sex was unknown or not stated.....	62.00	61.00	60.00	61.00	66.00
Decedents of which the sex was unknown or not stated.....	47.00	65.00	48.00	57.00	82.00
Natural daily increase of population as per births and deaths returned.....	52.52	42.49	56.44	60.00	61.00
Natural daily increase of population where returns of births and deaths are corrected for omissions in the enumeration.....	60.63	61.41	61.66	89.00	82.00

^a In computing statements for this column, the population of 1880 was used.

^b In computing statements for this column, the population of 1884 was used.

^c Marriages corrected for additional returns up to Nov. 11, 1885.

VITAL STATISTICS OF MICHIGAN, 1884.

Exhibit D affords an opportunity of making some interesting comparisons concerning the average number of births, marriages, and deaths for certain specified periods of time during the year 1884. On an average, according to the returns, 61 more births than deaths occurred during each day of the year 1884.

From this exhibit it appears that the average number of marriages per day, for 1884, was 41, the average number of births per day 110, and the average number of deaths per day 49.

EXHIBIT D.—*The Number of Marriages, Births, Deaths, and Excess of Births over Deaths in the State of Michigan During the Year 1884, and the Average Number and Excess during Specified Periods of Time within the Year as Returned, and the same for Births and Deaths as Corrected for Omissions in the Enumeration.*

Periods of Time,—1884.		Marriages, 1884.	Births, 1884.	Deaths, 1884.	Excess of Births over Deaths.
As Returned.	Year 1884..... ^a	15,002	40,406	18,056	22,352
	Quarter.....	3,751	10,102	4,514	5,588
	Month.....	1,250	3,367	1,505	1,862
	Week.....	289	777	347	430
	Day.....	41	110	49	61
Births and Deaths as Corrected.	Year 1884..... ^b		55,156	25,133	30,023
	Quarter.....		13,789	6,283	7,506
	Month.....		4,596	2,004	2,592
	Week.....		1,061	483	578
	Day.....		151	69	82

^a Unknown month included.

^b Corrected as if enumerated in months of occurrence.

In Exhibit E, the line representing the monthly averages of excess of births over deaths for the ten years 1875-1884, shows that the largest excess was in the month of December, and the least in February. This would indicate that December contributes most largely to the natural increase of population, but it should be remembered that a larger proportion of the births and deaths are returned in the later months of the year, as has been often explained in these Reports.

BIRTHS, MARRIAGES, AND DEATHS.

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EXHIBIT E.—By Months, the Births, Deaths, and Excess of Births over Deaths, according to the Returns, in Michigan, during each of the Years 1879-1884, inclusive.

	Total.*	Months.											
		Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1879.													
Births.....	34,082	2,429	2,331	2,758	2,703	2,842	2,626	3,018	3,188	3,149	3,038	2,786	3,283
Deaths.....	14,368	908	992	1,114	1,174	1,083	902	1,183	1,537	1,408	1,288	1,398	1,521
Excess of births.....	19,728	1,528	1,339	1,644	1,529	1,759	1,724	1,835	1,651	1,740	1,750	1,408	1,712
1880.													
Births.....	35,287	2,355	2,513	2,860	2,824	2,880	2,772	3,011	3,285	3,278	3,173	3,088	3,278
Deaths.....	16,060	880	1,002	1,149	1,289	1,168	1,008	1,627	1,780	1,676	1,471	1,488	1,617
Excess of births.....	19,228	1,465	1,511	1,701	1,535	1,714	1,768	1,484	1,505	1,602	1,702	1,582	1,661
1881.													
Births.....	34,719	2,363	2,432	2,835	2,905	2,887	2,712	3,027	3,313	3,204	3,078	2,854	3,179
Deaths.....	19,173	1,065	1,078	1,315	1,427	1,457	1,376	1,701	2,246	2,301	1,941	1,617	1,748
Excess of births.....	15,547	1,328	1,354	1,520	1,378	1,413	1,436	1,326	1,067	903	1,137	1,237	1,431
1882.													
Births.....	38,935	2,488	2,538	3,004	3,059	3,031	2,733	3,100	3,521	3,444	3,379	3,215	3,477
Deaths.....	16,347	978	1,171	1,372	1,311	1,430	1,264	1,284	1,453	1,545	1,498	1,421	1,570
Excess of births.....	20,688	1,508	1,365	1,632	1,748	1,551	1,469	1,816	2,068	1,899	1,881	1,794	1,907
1883.													
Births.....	40,767	2,664	2,734	3,312	3,455	3,667	3,333	3,576	3,765	3,694	3,664	3,353	3,555
Deaths.....	16,867	1,066	1,124	1,374	1,500	1,430	1,264	1,439	1,651	1,613	1,401	1,397	1,598
Excess of births.....	23,910	1,598	1,600	1,938	1,955	2,237	2,079	2,137	2,114	2,081	2,263	1,951	1,957
1884.													
Births.....	40,369	2,748	2,878	3,498	3,430	3,430	3,407	3,432	3,673	3,559	3,445	3,215	3,544
Deaths.....	18,000	1,067	1,181	1,421	1,382	1,456	1,366	1,530	1,917	1,877	1,752	1,533	1,615
Excess of births.....	22,369	1,681	1,697	2,077	2,048	2,024	2,141	1,902	1,756	1,682	1,693	1,689	1,929
Monthly averages of excess for 1875 to 1884, inclusive.....	20,562	1,496	1,467	1,728	1,724	1,789	1,790	1,801	1,728	1,703	1,794	1,716	1,848

* Unknown month excluded.

VITAL STATISTICS OF MICHIGAN, 1884.

BIT F.—Showing by Sex the Population in 1884, the Number of Marriages, Births, and Deaths, and the Excess of Births over Deaths, in Michigan During the Year 1884, According to the Returns.

State and Counties.	Population, 1884.			Marriages 1884.	Births, 1884.			Deaths, 1884.			Excess of Births over Deaths.						
	Total.	Sex.			Total.	Sex.		Total.	Sex.		Total.	Sex.					
		Males.	Fe- males.			Un- known.	Males.		Fe- males.	Un- known.		Males.	Fe- males.	Un- known.			
State.....	1,853,638	974,424	879,228	206	15,022	40,408	20,908	19,414	86	18,066	9,689	8,385	82	22,362	11,319	11,020	4
Alcona.....	4,028	2,428	1,600	.....	19	48	21	27	.....	18	9	9	.....	30	12	18	.....
Allegan.....	38,666	20,052	18,614	.....	331	764	368	371	.....	322	187	145	.....	432	206	226	.....
Alpena.....	12,683	6,900	5,683	.....	93	436	228	208	.....	92	56	36	.....	344	172	172	.....
Antrim.....	8,761	4,736	4,025	.....	77	132	74	58	.....	51	28	23	.....	81	46	35	.....
Arenac.....	4,027	2,310	1,708	.....	20	100	53	47	.....	39	24	15	.....	61	29	32	.....
Baraga.....	3,039	1,819	1,220	.....	17	70	37	33	.....	30	16	14	.....	40	21	19	.....
Barry.....	24,102	12,507	11,595	.....	185	342	177	165	.....	158	90	68	.....	184	87	97	.....
Bay.....	51,221	28,215	23,006	.....	343	1,448	728	716	.....	562	299	263	.....	856	433	423	.....
Benzie.....	4,389	2,349	2,040	.....	25	96	45	51	.....	39	15	24	.....	57	30	27	.....
Berrien.....	37,778	19,225	18,551	.....	535	639	310	325	4	298	152	124	8	360	158	191	1
Branch.....	27,661	14,042	13,619	.....	217	404	192	210	2	232	115	115	2	172	77	95	.....
Calhoun.....	41,585	21,297	20,285	3	384	758	381	366	31	444	210	204	30	314	151	163	1
Cass.....	21,202	10,886	10,316	.....	229	337	191	165	1	181	97	83	1	176	94	82	.....
Charlevoix.....	9,275	5,030	4,245	.....	57	173	89	84	.....	96	40	46	.....	87	49	38	.....
Cheboygan.....	9,940	5,508	4,443	.....	74	264	143	121	.....	79	43	36	.....	185	100	85	.....
Chippewa.....	8,422	4,746	3,676	.....	64	86	47	39	.....	50	27	23	.....	30	20	16	.....
Clare.....	5,540	3,251	2,298	.....	49	94	44	45	5	44	26	13	.....	60	18	32	.....
Clinton.....	27,135	14,034	13,101	.....	198	490	255	234	1	213	120	93	.....	277	135	141	1

BIRTHS, MARRIAGES, AND DEATHS.

	1,000	1,000	19	38	19	20	7	3	4	31	15	16
1,000	1,000	1,000	80	237	117	120	93	48	45	144	60	75
5,070	4,116	237	576	313	202	202	1	238	143	258	109	119
14,210	15,092	57	155	82	73	294	297	162	136	318	159	159
4,096	3,949	263	615	321	294	294	8	2	6	21	11	10
19,732	18,994	13	29	13	16	108	1	54	40	130	62	68
1,599	640	70	225	116	201	201	200	101	99	353	171	162
12,062	5,570	157	583	272	201	201	1	307	163	102	44	58
25,049	11,845	351	409	207	201	201	1	254	113	700	345	355
31,686	15,775	237	654	486	408	408	10	233	102	524	290	244
26,146	11,978	129	767	362	305	305	1	353	173	323	163	154
24,621	11,686	284	676	841	384	384	1	228	99	290	153	107
34,633	17,622	209	488	282	226	226	76	47	29	167	70	88
32,559	15,502	98	213	136	117	117	163	70	93	238	136	102
10,602	4,542	110	401	206	186	186	355	183	172	430	217	222
16,011	8,367	390	794	400	394	394	325	181	144	199	106	91
45,232	21,847	283	624	299	235	235	36	21	15	27	15	12
35,231	17,675	26	63	36	27	27	653	343	290	1,267	607	650
4,403	2,470	725	1,890	950	940	940	1	44	29	176	91	84
84,600	43,467	21	220	120	99	99	35	19	16	65	30	35
4,667	2,551	37	100	49	51	51	262	132	129	341	182	159
7,539	4,528	220	603	314	268	268	1	79	42	113	59	54
30,057	15,908	63	192	101	91	91	379	178	200	290	175	115
7,128	3,842	461	669	853	315	315	1	182	75	177	91	86
40,584	24,916	136	300	166	148	148	2	53	35	50	22	28
21,568	11,354	223	105	57	46	46	343	176	167	357	184	173
5,171	2,948	223	700	860	340	340						
31,293	15,978	223	700	860	340	340						

VITAL STATISTICS OF MICHIGAN, 1884.

EXHIBIT F.—CONTINUED.

Counties.	Population, 1884.				Marriages 1884.	Births, 1884.				Deaths, 1884.				Excess of Births over Deaths.*
	Total.	Sex.				Total.	Sex.			Total.	Sex.			
		Males.	Fe- males.	Un- known.			Males.	Fe- males.	Un- known.		Males.	Fe- males.	Un- known.	
Manistee.....	19,875	10,879	8,906	.....	201	712	331	.....	176	104	72	277	259	.....
Manitou.....	1,198	547	456	195	3	21	9	.....	7	3	4	9	5	.....
Manitouville.....	31,397	17,590	13,817	.....	169	1,074	500	.....	379	220	159	354	341	.....
Manitowish.....	13,221	7,232	5,989	.....	118	301	157	144	101	53	48	104	96	.....
Manitowish Lake.....	20,597	11,283	9,314	.....	179	375	198	.....	145	86	59	112	118	.....
Manitowish Lake.....	19,120	11,488	7,632	.....	155	638	324	314	169	101	68	223	246	.....
Manitowish Lake.....	8,776	4,728	4,048	.....	79	196	114	82	69	37	32	77	50	.....
Manitowish Lake.....	3,386	2,036	1,350	.....	15	120	50	70	43	21	22	29	48	.....
Manitowish Lake.....	33,353	17,186	16,167	.....	342	633	329	304	300	162	138	167	166	.....
Manitowish Lake.....	35,356	18,774	16,581	1	286	610	325	285	307	177	130	148	155	.....
Manitowish Lake.....	845	494	351	.....	4	19	8	11	2	1	1	7	10	.....
Manitowish Lake.....	37,554	20,522	17,029	3	395	1,062	537	554	387	297	179	320	375	.....
Manitowish Lake.....	18,996	10,684	8,312	.....	157	239	128	111	72	42	30	86	81	.....
Manitowish Lake.....	41,100	20,821	20,279	.....	290	572	284	286	355	185	170	99	116	.....
Manitowish Lake.....	14,519	7,859	6,660	.....	110	303	166	135	151	79	72	87	63	.....
Manitowish Lake.....	6,637	2,041	1,596	.....	25	43	24	19	15	7	8	17	11	.....
Manitowish Lake.....	4,626	3,329	1,507	.....	15	57	33	23	28	15	12	18	11	.....
Manitowish Lake.....	14,401	7,533	6,468	.....	131	348	172	176	117	62	55	110	121	.....
Manitowish Lake.....	1,274	708	576	.....	8	24	10	14	14	7	7	3	7	.....
Manitowish Lake.....	9,923	5,063	4,063	1,953	31	67	40	27	24	14	10	26	17

BIRTHS, MARRIAGES, AND DEATHS.

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Ottawa.....	36,235	18,970	17,265	386	911	465	446	310	171	187	2	601	264	309	-2
Presque Isle.....	4,064	2,168	1,896	87	150	77	78	34	23	11	116	54	62
Roscommon.....	2,588	1,813	775	.....	10	36	20	16	.....	10	8	2	.....	28	12	14	.....
Saginaw.....	74,795	41,588	33,207	.....	574	1,761	926	829	6	894	480	365	9	867	436	424	-3
Sanilac.....	29,583	15,578	14,005	.....	153	754	382	361	1	286	153	122	1	468	209	259	.....
Schoolcraft.....	3,846	2,568	1,278	.....	19	25	14	11	.....	10	7	3	.....	15	7	8	.....
Shiawassee.....	28,078	14,731	13,347	.....	176	444	218	225	1	226	118	106	.....	218	100	117	1
St. Clair.....	46,783	24,058	22,723	2	394	1,044	550	492	2	488	271	209	3	561	279	283	-1
St. Joseph.....	28,277	13,205	12,962	.....	280	462	245	214	3	306	168	147	1	156	87	67	2
Tuscola.....	30,728	16,126	14,600	.....	230	686	351	383	2	268	133	134	1	418	218	199	1
Van Buren.....	30,341	15,377	14,964	.....	250	424	214	210	.....	205	105	100	.....	219	109	110	.....
Washtenaw.....	41,694	21,067	20,627	.....	320	576	307	299	.....	361	173	186	.....	215	134	81	.....
Wayne.....	188,966	94,492	94,474	.....	1,494	6,222	3,227	2,868	2	357	1,823	1,529	5	2,865	1,504	1,364	-3
Wexford.....	10,518	5,732	4,786	.....	118	253	117	136	.....	97	52	45	.....	156	65	91	.....

* The figures with the minus sign placed before them indicate the excess of deaths over births.

BIRTHS, 1884.

The number of births reported for the year 1884 was 40,408, a decrease of 401 from the number returned for 1883. With the exception of 1883, however, the number of births returned for 1884 is considerably larger than for any previous year. The year 1883 seems to have been an exceptional one in the large number of births returned.

The population of Michigan, according to the State Census of 1884, was 1,853,658. When 3,766 is subtracted, being the number of inhabitants from whom no returns of births were received, we have 1,849,892 as the number of inhabitants represented by the returns of births for 1884. According to this estimate one child was born to every 45.78 persons in the State, and 21.84 births occurred to every thousand of the people. The birth-rate for the year 1884 is somewhat less than for the previous year.

The following tabular exhibit shows, according to our system of correction for omissions in the enumeration because of late records, what per cent of the births were returned, and also the per cent by which the number of births returned must be increased to equal the number which probably occurred. This is given for the ten years 1875-1884, and the average for these years. The year 1884, as may be seen, was better than an average one as regards the per cent of births returned.

Years.	Per Cent of Births Returned.	Per Cent of Births Added as Correction for Omissions.
1875.....	68.61	45.76
1876.....	75.73	32.04
1877.....	66.47	50.44
1878.....	67.41	48.34
1879.....	68.05	46.91
1880.....	69.78	43.42
1881.....	69.76	43.35
1882.....	74.31	34.57
1883.....	72.57	37.79
1884.....	73.24	36.54
Average for 10 years.....	70.59	41.22

Increasing the number of births returned for 1884 by 36.54 per cent we obtain 55,156, which is probably a near approximation to the number of births which actually occurred. This increases the birth-rate by about eight in every thousand of the inhabitants, as may be seen in the following tabular exhibit :

Sex.	Inhabitants in 1884 Represented by Births in 1884.	Births as Returned.	Births Corrected for Omissions in Enumer- ating.	Per Cent of Births to Inhabitants.	
				Births as Returned.	Births Corrected for Omissions.
Total	1,840,802	40,408	55,156	2.18	2.98

The average number of births for certain periods of time during the year 1884, including those in unknown month, as returned and as corrected for omissions in the enumeration, are as follows :

Periods of Time.	Births as Returned.	Corrected for Omissions.	Corrected with 41.92 Per Cent.
Per quarter	10,102	13,780	14,337
Per month	3,367	4,596	4,779
Per week	777	1,061	1,103
Per day	110	151	157

With the exception of the year 1882, the largest proportion of births has been returned for the quarter of the year ending with September. Table 1 shows the number and proportion of births returned for each quarter of the years 1881-1884, and the average for ten years 1874-1883. For the period of ten years, about 54 per cent of the births occurred in the last half of the year and 46 per cent in the first half. The quarters stand in the following order : 27.94 per cent in the third quarter, 26.73 per cent in the fourth quarter, 24.36 per cent in the second quarter, and 21.43 per cent in the first quarter.

TABLE 1.—*Births by Quarters of the Year for the Years 1881-1884, and the Average for Ten Years 1874-1883.*

Totals and Months with which Quarters end.		1881.		1882.		1883.		1884.		Av. for 10 Years, 1874-1883.	
		Num-ber.	Per Cent of Total.	Num-ber.	Per Cent of Total.	Num-ber.	Per Cent of Total.	Num-ber.	Per Cent of Total.	Num-ber.	Per Cent of Total.
Totals		34,749	100.00	37,026	100.00	40,809	100.00	40,406	100.00	34,798	100.00
As Returned.	March	7,060	22.04	8,026	21.68	8,700	21.32	9,124	22.58	7,455	21.43
	June	8,404	24.18	8,823	23.83	10,455	25.62	10,817	26.53	8,477	24.35
	September	9,544	27.47	10,065	27.18	11,086	27.04	10,714	26.52	9,512	27.34
	December	9,111	26.22	10,071	27.20	10,577	25.92	10,204	25.25	9,300	26.73
	Unknown	30	.09	41	.11	42	.10	49	.12	49	.14
Average		8,687	25.00	9,257	25.00	10,202	25.00	10,102	25.00	8,698	25.00
Totals		49,800	100.00	49,813	100.00	56,215	100.00	55,156	100.00	50,652	100.00
As Corrected for Omissions.	March	12,502	25.10	12,097	24.28	13,482	23.96	13,932	25.26	12,419	24.52
	June	12,675	25.45	12,430	24.95	15,061	26.83	14,602	26.64	13,037	25.74
	September	13,172	26.45	13,128	26.36	14,689	26.13	14,118	25.59	13,348	26.35
	December	11,421	22.93	12,117	24.33	12,921	22.99	12,365	22.43	11,799	23.29
	Unknown	30	.06	41	.08	42	.07	49	.09	49	.10
Average		12,450	25.00	12,453	25.00	14,054	25.00	13,789	25.00	12,663	25.00

* The number in unknown quarter of year included.

Table 2 shows the number and per cent of births in each month of the years 1882-1884, and the average for ten years 1874-1883. The months are in order, those having the greatest number of births being placed first in the columns. The largest number of births took place in August, not only for each year in the table but also for the average for ten years. The least number of births are returned for the months of January and February for each year and the average. This would indicate that the smallest number of children are born during these two months, but, as has been explained in previous Reports, a larger proportion are undoubtedly returned for the later than for the earlier months of the year.

BIRTHS, BY MONTHS.

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3.—Births during the Years 1882-1884, inclusive, according to the Returns, giving the Number and Per Cent of Total by Months, arranged in Order by Year, Months having the greatest number first.

1882.		1883.			1884.			Average for 10 Years, 1874-1883.		
Num- ber.	Per Cent of Total.	Months.	Num- ber.	Per Cent of Total.	Months.	Num- ber.	Per Cent of Total.	Months.	Num- ber.	Per Cent of Total.
37,026	100.00	Total..	40,809	100.00	Total..	40,408	100.00	Total..	34,793	100.00
3,521	9.51	Aug....	3,765	9.23	Aug....	3,673	9.09	Aug....	3,291	9.46
3,477	9.39	Sept. . .	3,694	9.05	Sept. . .	3,559	8.81	Dec. . . .	3,227	9.28
3,444	9.30	May....	3,667	8.98	Dec. . . .	3,544	8.77	Sept. . .	3,224	9.27
3,379	9.13	Oct.	3,664	8.98	Mar....	3,498	8.66	Oct.	3,119	8.96
3,215	8.68	July....	3,578	8.76	July....	3,482	8.62	July....	2,997	8.61
3,100	8.37	Dec.	3,555	8.71	May....	3,480	8.61	Nov....	2,954	8.49
3,059	8.26	April..	3,455	8.47	Oct.	3,445	8.53	May....	2,897	8.33
3,031	8.19	Nov....	3,358	8.23	April..	3,430	8.49	April..	2,834	8.15
3,004	8.11	June ..	3,333	8.17	June ..	3,407	8.43	Mar....	2,791	8.02
2,733	7.38	Mar. . .	3,312	8.12	Nov....	3,215	7.96	June ..	2,746	7.90
2,536	6.85	Feb....	2,734	6.70	Feb....	2,878	7.12	Feb....	2,363	6.79
2,486	6.72	Jan....	2,654	6.50	Jan....	2,748	6.80	Jan....	2,301	6.61
41	.11	Unk. . .	42	.10	Unk. . .	49	.12	Unk. . .	49	.14
3,086	8.33	Av....*	3,401	8.33	Av....*	3,367	8.33	Av....*	2,899	8.33

ing births in unknown month.

the births are corrected so as to include the probable omissions in the enumeration done in Table 3, the order of the months is seen to be different, although the August heads the list in the average for ten years. Except for the year 1882, it has the least number of births for each year and the average.



TABLE 3.—Births during the Years 1882-1884, inclusive, as Corrected for Omissions in the Enumeration, Exhibiting the Number and Per Cent of Total, by Months arranged in Order by Number, Months having the greatest number first.

Order.	1882.			1883.			1884.			Average for 10 Years, 1874-1883.		
	Months.	Num- ber.	Per Cent of Total.	Months.	Num- ber.	Per Cent of Total.	Months.	Num- ber.	Per Cent of Total.	Months.	Num- ber.	Per Cent of Total.
	Total..	49,813	100.00	Total..	56,215	100.00	Total..	55,156	100.00	Total..	50,652	100.00
1	Aug....	4,597	9.25	May...	5,288	9.41	Mar....	5,228	9.48	Aug....	4,624	9.13
2	Mar. . .	4,432	8.90	April..	5,109	9.09	April..	5,006	9.07	Mar....	4,538	8.96
3	April..	4,410	8.85	Mar....	5,020	8.93	May....	4,955	8.98	April..	4,481	8.85
4	Sept. . .	4,379	8.79	Aug....	5,013	8.92	Aug....	4,841	8.78	May....	4,452	8.79
5	May....	4,206	8.56	July....	4,893	8.70	June ..	4,731	8.58	Sept. . .	4,383	8.65
6	Oct. . . .	4,182	8.40	Sept. . .	4,783	8.51	July....	4,712	8.54	July....	4,341	8.57
7	July....	4,152	8.33	June ..	4,684	8.33	Sept. . .	4,565	8.28	June ..	4,104	8.10
8	Dec....	4,066	8.16	Oct....	4,609	8.20	Feb....	4,403	7.98	Oct. . . .	4,096	8.08
9	Nov....	3,869	7.77	Feb....	4,244	7.55	Jan....	4,361	7.80	Dec....	3,952	7.80
10	Jan....	3,837	7.70	Jan....	4,218	7.50	Oct....	4,297	7.79	Feb....	3,942	7.78
11	Feb....	3,828	7.68	Dec....	4,211	7.49	Dec....	4,171	7.56	Jan....	3,939	7.78
12	June ..	3,754	7.53	Nov....	4,101	7.29	Nov....	3,897	7.07	Nov....	3,751	7.41
	Unk....	41	.08	Unk....	42	.08	Unk....	40	.09	Unk....	49	.10
	Av....*	4,151	8.33	Av....*	4,685	8.33	Av....*	4,596	8.33	Av....*	4,221	8.33

* Including births in unknown month.

PROPORTION OF THE SEXES.

In Table 4 will be found the number of births returned from each county in the State during the year 1884, the number in each month of the year, and the number of each sex respectively. As usual, the births of males largely exceed the births of females, there being 108 males to each 100 females, or 51.85 males and 48.15 females in each 100 children. During the period of fifteen years from 1870 to 1884, the average excess of male births was 108 males to 100 females, which was the same as for the year 1884.

In 1884, the number of births in which there was a failure to return the sex was 86, five more than were returned for 1883. Of this number, 31 were reported from the county of Calhoun alone.

State and Counties.	Sex.	Year, 1881.	Months, 1884.												
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
Total.....	Total.....	40,408	2748	2878	3198	3130	3180	3407	3482	3673	3559	3445	3215	3544	49
	Males.....	20,908	1421	1490	1831	1795	1744	1777	1789	1918	1872	1788	1653	1810	18
	Females.....	19,414	1322	1385	1660	1627	1724	1624	1681	1747	1676	1651	1556	1731	27
	Unknown..	80	5	3	7	8	12	6	9	8	11	6	4	3	4
Alameda.....	Total.....	48	1	2	4	7	3	4	2	7	1	3	6	8	...
	Males.....	21	2	2	4	2	2	1	2	2	3	5	...	...
	Females.....	27	1	2	3	3	2	1	5	1	3	3	3	...	
	Total.....	704	46	62	70	72	84	65	58	71	69	59	52	61	...
Alameda.....	Males.....	393	18	35	38	43	45	27	21	36	39	29	27	35	...
	Females.....	371	28	27	32	29	39	38	32	35	30	30	25	26	...
	Total.....	436	36	39	53	40	46	53	39	43	38	21	12	25	...
	Males.....	228	18	20	29	20	25	25	20	26	18	10	17	...	
Alameda.....	Females.....	208	18	19	24	20	21	28	10	17	20	11	12	8	...
	Total.....	132	8	14	5	12	11	11	17	12	11	7	10	14	...
	Males.....	74	4	8	3	6	7	6	13	5	6	5	6	5	...
	Females.....	58	4	6	2	6	4	5	4	7	5	2	4	9	...
Alameda.....	Total.....	100	7	6	6	10	15	11	8	11	5	6	5	10	...
	Males.....	53	4	4	2	6	5	6	4	6	4	2	3	7	...
	Females.....	47	3	2	4	4	10	5	4	5	1	4	2	3	...
	Total.....	70	4	7	5	7	10	5	6	6	5	4	8	3	...
Alameda.....	Males.....	37	1	3	3	5	5	3	1	5	2	3	3	3	...
	Females.....	33	3	4	2	2	5	2	5	1	3	1	5	...	
	Total.....	342	28	14	26	33	29	26	27	23	35	29	37	35	...
	Males.....	177	16	8	9	16	18	13	15	15	16	18	16	17	...
Alameda.....	Females.....	165	12	6	17	17	11	13	12	8	19	11	21	18	...
	Total.....	1,448	118	116	145	120	118	100	128	116	129	113	106	139	...
	Males.....	732	59	54	70	59	63	52	59	57	70	55	58	70	...
	Females.....	716	59	62	69	61	55	48	69	59	59	58	48	69	...

TABLE 4.—CONTINUED.—*Births by Counties, by Months, and by Sex.*

TABLE 4.—CONTINUED.—*Births by Counties, by Months, and by Sex.*

Counties.	Sex.	Year, 1884.	Months, 1884.												
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
Lapeer	Total	603	28	35	64	53	59	68	51	59	55	48	38	44	1
	Males	314	11	21	34	28	32	37	26	29	32	17	22	24	1
	Females	288	17	14	30	25	27	31	25	29	23	31	16	20	
	Unknown	1								1					
Leelanaw	Total	192	9	19	21	17	16	16	14	16	21	17	11	15	
	Males	101	3	9	12	13	8	5	7	9	14	6	5	10	
	Females	91	6	10	9	4	8	11	7	7	7	11	6	5	
Lenawee	Total	669	41	35	49	48	57	45	65	72	74	58	58	67	
	Males	353	18	15	24	25	30	27	33	42	42	28	38	31	
	Females	315	23	20	25	23	27	18	31	30	32	30	20	36	
	Unknown	1							1						
Livingston	Total	309	22	10	30	19	29	29	23	32	30	33	29	23	
	Males	166	12	5	19	13	16	16	12	16	15	16	13	14	
	Females	143	10	5	11	7	13	13	11	16	15	17	16	9	
Mackinac	Total	105	5	5	10	13	10	9	7	4	10	10	3	13	6
	Males	57	2	3	5	8	4	4	3	2	5	6	2	8	5
	Females	48	3	2	5	5	6	5	3	2	5	4	1	5	
	Unknown	2							1						1
Macomb	Total	700	49	41	62	62	62	63	61	67	81	43	49	60	
	Males	390	28	19	36	35	33	28	31	31	40	22	28	29	
	Females	340	21	22	26	27	29	35	30	36	41	21	21	31	
Manistee	Total	712	46	46	59	54	76	38	69	79	46	58	70	71	
	Males	381	24	21	25	32	38	19	42	42	28	32	35	43	
	Females	331	22	25	34	22	38	19	27	37	18	26	35	28	
Manitou	Total	21	4		3	3		2	1	3	2	2		1	
	Males	12	2		2	2		2		2	1			1	
	Females	9	2		1	1			1	1	1	2			
Marquette	Total	1,074	87	74	105	82	104	98	83	85	80	93	88	95	
	Males	574	47	47	55	47	58	52	43	40	42	42	51	50	
	Females	500	40	27	50	35	46	46	40	45	38	51	37	45	
Mason	Total	301	16	20	15	27	19	23	35	31	22	29	26	38	
	Males	157	9	8	6	13	9	12	18	19	12	17	13	21	
	Females	144	7	12	9	14	10	11	17	12	10	12	13	17	
	Unknown	25	21	29	35	40	34	26	38	38	32	32	31	32	
			14	12	11	20	20	21	11	19	18	21	14	17	
			1	9	18	15	20	13	15	19	14	11	17	15	

[illegible]

BIRTHS BY COUNTIES, BY MONTHS, BY SEX.

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TABLE 4.—CONTINUED.—*Births by Counties, by Months, and by Sex.*

Counties.	Sex.	Year, 1884.	Months, 1884.												
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
Algon.	Total.....	57	1	3	9	4	2	8	5	8	3	9	3	2	...
	Males.....	33	1	2	7	3	1	7	1	3	3	4	1	...	...
	Females....	23	...	1	2	1	1	1	4	5	...	4	2	2	...
	Unknown....	1	...	...	...	...	...	...	...	...	...	1	...	...	...
A.	Total.....	348	21	16	33	27	35	33	32	32	41	18	31	26	3
	Males.....	172	8	9	12	13	20	20	18	13	21	10	12	14	2
	Females....	176	13	7	21	14	15	13	14	19	20	8	19	12	1
	Unknown....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
B.	Total.....	24	2	2	1	...	...	1	3	2	4	3	3	3	...
	Males.....	10	1	1	1	...	...	...	1	...	1	1	3	1	...
	Females....	14	1	1	...	...	...	1	2	2	3	2	...	2	...
	Unknown....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
C.	Total.....	67	4	3	4	9	6	8	2	6	8	6	4	7	...
	Males.....	40	4	3	3	6	3	2	1	4	5	2	3	4	...
	Females....	27	...	...	1	3	3	6	1	2	3	4	1	3	...
	Unknown....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
D.	Total.....	911	69	78	78	91	66	71	68	72	79	88	85	66	...
	Males.....	465	40	41	47	47	31	33	38	40	32	47	39	30	...
	Females....	446	29	37	31	44	35	38	30	32	47	41	46	36	...
	Unknown....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
E. Isle.	Total.....	150	17	14	13	10	9	12	12	18	9	9	17	10	...
	Males.....	77	9	5	7	4	5	7	6	11	6	3	11	3	...
	Females....	73	8	9	6	6	4	5	6	7	3	6	6	7	...
	Unknown....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
F. nnon	Total.....	36	1	3	2	5	4	2	4	5	3	3	3	1	...
	Males.....	20	...	2	1	4	1	1	2	4	2	1	2	...	...
	Females....	16	1	1	1	1	3	1	2	1	1	2	1	1	...
	Unknown....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
G. W	Total.....	1,761	133	127	156	165	142	145	150	163	134	149	143	150	4
	Males.....	926	63	74	82	85	69	82	82	83	77	71	75	82	1
	Females....	829	69	53	73	79	73	63	67	80	56	78	68	67	3
	Unknown....	6	1	...	1	1	...	...	1	...	1	...	...	1	...
H.	Total.....	754	40	55	74	68	76	82	53	73	74	59	48	52	...
	Males.....	362	20	22	48	29	30	40	26	36	36	28	22	25	...
	Females....	391	20	33	26	39	46	42	27	37	38	31	26	27	...
	Unknown....	1	...	...	...	...	...	...	...	...	...	...	...	...	...
I. raft	Total.....	25	...	1	3	6	1	2	2	1	2	2	5	...	...
	Males.....	14	...	...	2	4	1	1	2	1	2	...	1	...	...
	Females....	...	...	1	1	2	...	1	...	...	...	2	4	...	...
	Unknown....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
J.	Total.....	...	...	22	31	36	33	35	51	42	38	40	40	46	1
	Males.....	...	...	14	17	16	16	14	26	19	22	19	18	17	1
	Females....	...	...	8	14	20	17	21	25	23	16	20	22	29	...
	Unknown....	...	...	...	...	...	...	...	...	...	...	1	...	...	...

TABLE 4.—CONTINUED.—*Births by Counties, by Months, and by Sex.*

Counties.	Sex.	Year, 1884.	Months, 1884.												Unknown.
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
Benzie	Total	96	1	8	4	7	10	15	9	6	15	6	8	7	...
	Males	45	...	3	...	4	4	7	4	4	7	3	3	6	...
	Females	51	1	5	4	3	6	8	5	2	8	3	5	1	...
Berrien	Total	639	42	44	44	57	70	57	49	62	56	49	60	49	...
	Males	310	20	21	22	28	35	24	20	31	27	27	30	25	...
	Females	325	21	23	22	27	34	33	29	31	29	22	30	24	...
Branch	Unknown	4	1	...	...	2	1	...	...	...	...	...	...	...	...
	Total	404	24	28	20	31	36	27	36	36	36	45	39	46	...
	Males	192	13	15	10	17	22	14	17	14	20	12	18	20	...
Calhoun	Females	210	11	13	10	14	14	12	19	22	16	32	21	26	...
	Unknown	2	...	...	...	...	...	1	...	...	...	1	...	...	...
	Total	758	51	49	72	47	77	52	78	70	62	74	64	60	2
Cass	Males	361	27	25	28	22	32	28	40	31	31	37	30	30	...
	Females	366	24	22	38	24	40	22	35	35	26	37	32	29	2
	Unknown	31	...	2	6	1	5	2	3	4	5	...	2	1	...
Charlevoix	Total	357	28	22	36	24	30	33	31	28	23	36	30	26	...
	Males	191	15	9	23	11	19	21	12	18	13	19	14	17	...
	Females	165	13	13	13	13	11	12	19	10	19	17	16	9	...
Cheboygan	Unknown	1	...	...	...	...	...	...	...	...	1	...	...	...	...
	Total	173	11	7	15	3	13	14	17	19	15	24	11	24	...
	Males	89	5	2	9	...	4	9	6	7	11	16	9	11	...
Chippewa	Females	84	6	5	6	3	9	5	11	12	4	8	2	13	...
	Total	264	13	22	22	18	20	30	30	25	14	18	25	27	...
	Males	143	7	10	10	13	10	16	14	17	9	8	14	15	...
Clare	Females	121	6	12	12	5	10	14	16	8	5	10	11	12	...
	Total	86	4	3	7	14	5	10	8	11	8	7	3	6	...
	Males	47	2	2	2	11	3	7	6	4	2	4	...	4	...
Clinton	Females	39	2	1	5	3	2	3	2	7	6	3	3	2	...
	Total	94	5	1	5	7	9	11	12	8	12	11	5	7	1
	Males	44	5	...	3	3	4	2	4	5	4	5	4	5	...
Ontonagon	Females	45	...	1	2	4	3	9	7	3	6	6	1	2	1
	Unknown	5	...	...	...	...	2	...	1	...	2	...	...	...	...
	Total	490	34	41	44	45	42	57	35	40	50	28	42	32	...
Ontonagon	Males	255	17	21	18	27	20	30	20	24	27	18	20	13	...
	Females	234	17	20	26	17	22	27	15	16	23	10	22	19	...
	Unknown	1	...	...	...	1	...	...	...	...	...	...	...	...	...

TABLE 4.—CONTINUED.—*Births by Counties, by Months, and by Sex.*

Counties.	Sex.	Year, 1884.	Months, 1884.											
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
Crawford	Total	38	2	2	5	7	1	5	3	5	2	.....	6	.....
	Males	18	.....	1	2	4	1	3	1	1	1	.....	4	.....
	Females	20	2	1	3	3	.....	2	2	4	1	.....	2	.....
Delta	Total	237	18	14	14	19	21	21	20	26	13	18	28	25
	Males	117	8	6	6	6	10	17	11	10	6	10	11	16
	Females	120	10	8	8	13	11	4	9	16	7	8	17	9
Eaton	Total	576	37	46	47	23	36	67	65	60	47	59	39	45
	Males	313	20	23	27	11	15	35	43	36	23	37	23	20
	Females	262	17	23	20	17	21	32	22	24	24	21	16	25
	Unknown	1	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....
Emmet	Total	155	10	12	20	9	16	15	19	10	10	16	12	6
	Males	82	7	3	10	5	8	8	13	6	4	11	5	2
	Females	73	3	9	10	4	8	7	6	4	6	5	7	4
Genesee	Total	615	45	36	50	52	68	44	60	67	64	40	46	43
	Males	321	21	16	33	29	34	18	35	38	36	20	22	19
	Females	294	24	20	17	23	34	26	25	29	28	20	24	24
Gladwin	Total	29	3	2	3	1	2	4	2	1	2	2	1	3
	Males	13	.....	.....	.....	1	1	2	1	1	1	1	1	3
	Females	16	3	2	3	.....	1	2	1	.....	1	1	.....	2
Gr. Traverse	Total	225	9	15	14	25	18	23	22	24	25	24	14	12
	Males	116	3	9	7	12	9	10	10	14	15	14	8	5
	Females	108	5	6	7	13	9	13	12	10	10	10	6	7
	Unknown	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Gratiot	Total	533	34	27	46	61	47	42	57	54	51	46	38	30
	Males	272	12	12	24	30	19	25	31	25	31	24	22	17
	Females	261	22	15	22	31	28	17	26	29	20	22	16	13
Hillsdale	Total	409	16	26	26	29	35	38	32	45	42	44	34	41
	Males	207	8	12	13	15	16	22	16	23	22	18	19	22
	Females	201	8	14	13	14	19	16	16	21	20	26	15	19
	Unknown	1	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....
Houghton	Total	954	58	78	90	96	80	88	75	68	87	71	86	77
	Males	486	30	48	50	46	36	40	35	31	46	43	45	36
	Females	468	28	30	40	50	44	48	40	37	41	28	41	41

VITAL STATISTICS OF MICHIGAN, 1884.

TABLE 4.—CONTINUED.—*Births by Counties, by Months, and by Sex.*

Counties.	Sex.	Year, 1884.	Months, 1884.												
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
Huron.....	Total.....	767	60	58	59	69	60	59	61	65	71	79	51	75	
	Males.....	392	37	23	31	39	33	31	32	37	42	39	26	32	
	Females.....	365	23	35	28	29	25	26	28	27	28	39	24	43	
	Unknown.....	10				1	2	2	1	1	1	1	1		
Ingham.....	Total.....	676	49	53	49	55	67	57	51	66	55	64	54	56	
	Males.....	341	21	25	20	31	38	31	22	36	33	33	25	26	
	Females.....	334	28	28	29	23	29	26	29	30	22	31	29	30	
	Unknown.....	1				1									
Ionia.....	Total.....	488	27	41	35	36	50	47	31	56	43	47	30	45	
	Males.....	252	11	19	18	20	26	20	18	29	24	28	17	22	
	Females.....	236	16	22	17	16	24	27	13	27	19	19	13	23	
Iosco.....	Total.....	243	14	17	12	27	16	15	30	18	26	12	28	28	
	Males.....	126	5	10	7	12	10	9	13	10	13	9	12	16	
	Females.....	117	9	7	5	15	6	6	17	8	13	3	16	12	
Isabella.....	Total.....	401	21	35	40	36	38	39	36	40	19	27	30	40	
	Males.....	206	9	21	27	20	18	15	22	19	8	11	13	23	
	Females.....	195	12	14	13	16	20	24	14	21	11	16	17	17	
Jackson.....	Total.....	794	57	43	62	60	55	68	72	78	83	69	75	71	1
	Males.....	400	31	23	34	34	36	33	35	34	36	37	30	36	1
	Females.....	394	26	20	28	26	19	35	37	44	47	32	45	35	
Kalamazoo.....	Total.....	524	39	42	44	39	41	48	47	56	35	36	52	45	
	Males.....	289	22	24	25	23	22	29	30	27	19	18	27	23	
	Females.....	235	17	18	19	16	19	19	17	29	16	18	25	22	
Kalkaska.....	Total.....	63	4	4	2	4	2	3	10	9	13	5	4	3	
	Males.....	36	2	2	2	1	1	2	6	6	9	4		1	
	Females.....	27	2	2		3	1	1	4	3	4	1	4	2	
Kent.....	Total.....	1,890	126	134	174	153	146	139	156	166	176	177	173	170	
	Males.....	950	64	63	80	78	69	72	85	76	89	94	101	79	
	Females.....	940	62	71	94	75	77	67	71	90	87	83	72	91	
Keweenaw.....	Total.....	220	16	16	25	18	17	12	18	18	13	16	18	33	
	Males.....	120	11	8	9	9	8	7	10	8	7	7	13	23	
	Females.....	99	5	8	16	9	9	5	7	10	6	9	5	10	
	Unknown.....	1							1						
Lake.....	Total.....	100	2	7	10	5	11	9	11	9	10	11	5	10	
	Males.....	49		3	3	2	7	4	4	5	6	7	2	6	
	Females.....	51	2	4	7	3	4	5	7	4	4	4	3	4	

TABLE 4.—CONTINUED.—*Births by Counties, by Months, and by Sex.*

Counties.	Sex.	Year, 1884.	Months, 1884.												Unknown.
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
Ber.	Total.....	608	28	35	64	53	59	68	51	59	55	48	38	44	1
	Males.....	314	11	21	34	28	32	37	26	29	32	17	22	24	1
	Females.....	288	17	14	30	25	27	31	25	29	23	31	16	20	...
	Unknown.....	1	...	...	...	...	...	...	...	1	...	...	...	...	...
Branaw.	Total.....	192	9	19	21	17	16	16	14	16	21	17	11	15	...
	Males.....	101	3	9	12	13	8	5	7	9	14	6	5	10	...
	Females.....	91	6	10	9	4	8	11	7	7	7	11	6	5	...
Brew.	Total.....	669	41	35	49	48	57	45	65	72	74	58	58	67	...
	Males.....	353	18	15	24	25	30	27	38	42	42	28	38	31	...
	Females.....	315	23	20	25	23	27	18	31	30	32	30	20	36	...
	Unknown.....	1	...	...	...	...	...	...	1	...	...	...	...	...	...
Bridgton.	Total.....	309	22	10	30	19	29	29	23	32	30	33	29	23	...
	Males.....	166	12	5	19	13	16	16	12	16	15	16	13	14	...
	Females.....	143	10	5	11	7	13	13	11	16	15	17	16	9	...
Brunswick.	Total.....	105	5	5	10	13	10	9	7	4	10	10	3	13	6
	Males.....	57	2	3	5	8	4	4	3	2	5	6	2	8	5
	Females.....	48	3	2	5	5	6	5	3	2	5	4	1	5	...
	Unknown.....	2	...	...	...	...	...	...	1	...	...	...	...	...	1
Buck.	Total.....	700	49	41	62	62	62	63	61	67	81	43	49	60	...
	Males.....	360	26	19	36	35	33	28	31	31	40	22	28	29	...
	Females.....	340	21	22	26	27	29	35	30	36	41	21	21	31	...
Butte.	Total.....	712	46	46	59	54	76	38	69	79	46	58	70	71	...
	Males.....	381	24	21	25	32	38	19	42	42	28	32	35	43	...
	Females.....	331	22	25	34	22	38	19	27	37	18	26	35	28	...
Calhoun.	Total.....	21	4	...	3	3	...	2	1	3	2	2	...	1	...
	Males.....	12	2	...	2	2	...	2	...	2	1	...	...	1	...
	Females.....	9	2	...	1	1	...	...	1	1	1	2	...	...	...
Cass.	Total.....	1,074	87	74	105	82	104	98	83	85	80	93	88	95	...
	Males.....	574	47	47	55	47	58	52	43	40	42	42	51	50	...
	Females.....	500	40	27	50	35	46	46	40	45	38	51	37	45	...
Chenango.	Total.....	301	16	20	15	27	19	23	35	31	22	29	26	38	...
	Males.....	157	9	8	6	13	9	12	18	19	12	17	18	21	...
	Females.....	144	7	12	9	14	10	11	17	12	10	12	18	17	...
Clinton.	Total.....	375	25	21	29	35	40	34	26	38	32	32	31	32	...
	Males.....	198	14	12	11	20	20	21	11	19	18	21	14	17	...
	Females.....	177	11	9	18	15	20	13	15	19	14	11	17	15	...

TABLE 4.—CONTINUED.—*Births by Counties, by Months, and by Sex.*

Counties.	Sex.	Year, 1884.	Months, 1884.												
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
Menominee	Total	638	44	50	53	59	74	50	49	59	55	41	47	55	2
	Males	324	28	27	28	27	21	30	30	32	28	19	27	29	
	Females.....	314	16	23	25	32	53	20	19	27	29	22	20	26	2
Midland	Total	196	6	6	11	15	27	13	20	17	23	15	15	16	12
	Males	114	5	3	6	9	13	8	11	12	14	10	6	12	5
	Females.....	82	1	3	5	6	14	5	9	5	9	5	9	4	7
Missaukee	Total	120	12	9	10	18	11	11	7	11	6	12	7	6	...
	Males	50	5	2	5	8	3	4	3	4	4	6	3	3	...
	Females.....	70	7	7	5	10	8	7	4	7	2	6	4	3	...
Monroe	Total	633	54	47	51	53	53	45	40	62	63	64	52	49	...
	Males	329	26	21	37	25	25	26	15	32	32	35	30	25	...
	Females.....	304	28	26	14	28	28	19	25	30	31	29	22	24	...
Montcalm	Total	610	26	35	51	61	69	76	60	51	54	39	46	42	...
	Males	325	15	16	24	29	34	44	38	24	28	26	23	24	...
	Females.....	285	11	19	27	32	35	32	22	27	26	13	23	18	...
Montmorency	Total	19	...	3	...	2	2	2	1	1	4	2	...	2	...
	Males	8	...	2	...	1	...	...	1	1	2	...	...	1	...
	Females.....	11	...	1	...	1	2	2	...	...	2	2	...	1	...
Muskegon	Total	1,062	72	85	105	99	83	79	93	105	90	97	88	90	6
	Males	537	34	42	51	53	36	40	44	51	45	51	45	45	...
	Females.....	554	38	43	54	46	47	39	49	54	45	46	43	45	5
	Unknown	1	...	...	...	...	...	...	...	...	...	...	...	...	1
Newaygo	Total	239	7	16	11	21	20	29	29	24	25	21	18	18	...
	Males	128	6	7	7	10	10	18	16	16	10	13	9	6	...
	Females.....	111	1	9	4	11	10	11	13	8	15	8	9	12	...
Oakland	Total	572	48	35	42	58	43	38	48	55	61	52	43	47	2
	Males	284	25	17	18	32	19	17	24	26	35	24	24	23	...
	Females.....	286	22	18	24	26	24	21	24	29	26	27	19	24	3
	Unknown	2	1	...	...	...	...	...	...	...	...	1	...	...	...
Oceana	Total	303	26	19	16	35	28	27	27	27	30	28	22	18	...
	Males	166	11	14	11	19	12	15	13	15	16	19	13	8	...
	Females.....	135	14	5	5	15	16	12	14	12	14	9	9	10	...
	Unknown	2	1	...	...	1	...	...	...	...	...	...	...	...	...
Ogemaw	Total	43	2	3	6	6	3	...	4	3	6	5	1	4	...
	Males	24	1	1	3	3	1	...	2	1	5	3	1	3	...
	Females.....	19	1	2	3	3	2	...	2	2	1	2	...	1	...

BIRTHS BY COUNTIES, BY MONTHS, BY SEX.

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TABLE 4.—CONTINUED.—*Births by Counties, by Months, and by Sex.*

Counties.	Sex.	Year, 1884.	Months, 1884.												
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
onagon.	Total	57	1	3	9	4	2	8	5	8	3	9	3	2	...
	Males	38	1	2	7	3	1	7	1	3	3	4	1	...	...
	Females	23	...	1	2	1	1	1	4	5	...	4	2	2	...
	Unknown	1	...	...	...	...	...	...	...	...	...	1	...	...	...
sola.	Total	348	21	16	33	27	35	33	32	32	41	18	31	26	8
	Males	172	8	9	12	13	20	20	18	13	21	10	12	14	9
	Females	176	13	7	21	14	15	13	14	19	20	8	19	12	1
ada.	Total	24	2	2	1	...	...	1	3	2	4	3	3	3	...
	Males	10	1	1	1	...	...	...	1	...	1	1	3	1	...
	Females	14	1	1	...	...	...	1	2	2	3	2	...	2	...
ago.	Total	67	4	3	4	9	6	8	2	6	8	6	4	7	...
	Males	40	4	3	3	6	3	2	1	4	5	2	3	4	...
	Females	27	...	...	1	3	3	6	1	2	3	4	1	3	...
wa.	Total	911	69	78	78	91	66	71	68	72	79	88	85	66	...
	Males	465	40	41	47	47	31	33	38	40	32	47	39	30	...
	Females	446	29	37	31	44	35	38	30	32	47	41	46	36	...
sque Isle.	Total	150	17	14	13	10	9	12	12	18	9	9	17	10	...
	Males	77	9	5	7	4	5	7	6	11	6	3	11	3	...
	Females	73	8	9	6	6	4	5	6	7	3	6	6	7	...
common.	Total	36	1	3	2	5	4	2	4	5	3	3	3	1	...
	Males	20	...	2	1	4	1	1	2	4	2	1	2	...	...
	Females	16	1	1	1	1	3	1	2	1	1	2	1	1	...
naw.	Total	1,761	133	127	156	165	142	145	150	163	134	149	143	150	4
	Males	926	63	74	82	85	69	82	82	83	77	71	75	82	1
	Females	829	69	53	73	79	73	63	67	80	56	78	68	67	3
	Unknown	6	1	...	1	1	...	...	1	...	1	...	...	1	...
lac.	Total	754	40	55	74	68	76	82	53	73	74	59	48	52	...
	Males	362	20	22	48	29	30	40	26	36	36	28	22	25	...
	Females	391	20	33	26	39	46	42	27	37	38	31	25	27	...
	Unknown	1	...	...	...	...	...	...	...	...	...	...	1	...	...
olcraft.	Total	25	...	1	3	6	1	2	2	1	2	2	5	...	...
	Males	14	...	...	2	4	1	1	2	1	2	...	1	...	...
	Females	11	...	1	1	2	...	1	...	...	...	2	4	...	...
wassee.	Total	444	29	22	31	36	33	35	51	42	38	40	40	46	1
	Males	218	10	14	17	16	16	14	26	19	22	19	18	17	1
	Females	225	10	8	14	20	17	21	25	23	16	20	22	29	...
	Unknown	1	...	...	...	...	...	...	...	...	...	1	...	...	...

VITAL STATISTICS OF MICHIGAN, 1884.

TABLE 4.—CONTINUED.—*Births by Counties, by Months, and by Sex.*

Counties.	Sex.	Year, 1884.	Months, 1884.												
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
St. Clair.....	Total.....	1,044	60	69	93	89	100	71	90	95	105	95	93	82	2
	Males.....	550	39	37	50	50	55	33	50	55	49	47	46	39	...
	Females.....	492	21	32	43	39	45	38	40	40	56	48	47	43	...
	Unknown.....	2													2
St. Joseph.....	Total.....	462	27	33	34	44	39	31	38	35	51	46	40	44	...
	Males.....	245	16	20	18	23	18	15	17	18	30	25	18	27	...
	Females.....	214	11	12	16	21	21	16	21	17	20	21	22	16	...
	Unknown.....	3		1							1			1	...
Tuscola.....	Total.....	686	49	45	63	57	55	71	74	68	55	57	33	57	2
	Males.....	351	27	24	34	32	29	30	36	36	28	34	17	26	...
	Females.....	333	22	21	29	25	25	40	38	32	29	23	16	31	2
	Unknown.....	2					1	1							...
Van Buren.....	Total.....	424	29	35	32	35	36	25	44	36	35	47	23	47	...
	Males.....	214	19	18	13	16	19	17	19	18	21	19	14	21	...
	Females.....	210	10	17	19	19	17	8	25	18	14	28	9	26	...
Washtenaw.....	Total.....	576	30	48	52	45	43	38	51	43	54	63	42	67	...
	Males.....	307	13	23	28	32	24	23	24	24	29	35	23	29	...
	Females.....	269	17	25	24	13	19	15	27	19	25	28	19	38	...
Wayne.....	Total.....	6,222	485	499	587	495	472	519	513	521	494	520	490	627	...
	Males.....	3,327	256	281	318	247	253	288	265	301	256	281	253	328	...
	Females.....	2,893	229	218	269	248	218	231	248	219	238	239	237	299	...
	Unknown.....	2					1			1					...
Wexford.....	Total.....	253	14	18	20	21	21	34	23	17	19	29	23	14	...
	Males.....	117	7	9	9	10	9	14	12	8	11	12	11	5	...
	Females.....	136	7	9	11	11	12	20	11	9	8	17	12	9	...

The facts presented for study in Table 5 are now more satisfactory than they have been for a number of years, inasmuch as the population by color and sex is ascertained by the State Census of 1884. Perhaps the most interesting column in this table is the one headed, "Per cent of children born to inhabitants," where it is seen that the birth-rate among the white inhabitants was greater than the average for all colors, and much greater than that of the black, mulatto, and Indian races. By removing the decimal point one place to the right, we have the number of births to each thousand inhabitants among each race or color. According to this, there were 21.9 births to each thousand among the white, 15.9 among the black, 12.2 among the mulatto, 19.6 among the Indian, and 13.9 when the black and mulatto are taken together.

The proportion of the sexes among the different races is seen in the column next to the last. The males predominate in all cases except among the mulatto, and the largest excess of males appears for the Indians.

Table 6 shows, for 1884, the number of inhabitants, and the number of births by county, sex, and color. By this table, we are enabled to compare the birth-rate in each county in 1884 with the birth-rate for the entire State, also to note the fluctuations in the birth-rates of the different counties. The number of births in 1884 was 2.18 per cent of the number of inhabitants in 1884, the number of male births in 1884 was 2.15 per cent of the male inhabitants, and the number of female births was 2.21 per cent of the female inhabitants. The counties showing the highest birth-rates for the year 1884, according to the returns, were Alpena, Bay, Houghton, Huron, Keweenaw, Manistee, Marquette, Menominee, Missaukee, Muskegon, Presque Isle, and Wayne. The counties of Barry, Branch, Genesee, Hillsdale, Lenawee, Oakland and Washtenaw, show a birth-rate considerably less than that of the entire State. As has been remarked before, those counties which contain the largest foreign-born element have the highest birth-rates, and much exceed the rate of the State as a whole. The very low rates in some of the counties mentioned above indicate either an imperfect registration, or a small proportion of a prolific foreign population. These facts are fully sustained by the Census.

VITAL STATISTICS OF MICHIGAN, 1884.

TABLE 5.—*Exhibiting by Color and Sex, the Population of Michigan, June 1, 1884 the number of Births returned for the Year 1884, the Per Cent of Births to Population, and the Per Cent of Births of each Sex to the total of both Sexes (still-births included.)*

Race or Color.	Sex.	Population June 1, 1884, Represented by Births in 1884.	Children Born in 1884.	Per Cent of Births of each Color to Total of all Colors, by Sex.	Per Cent of Children Born to Inhabitants.	Per Cent of each Sex to Children of both Sexes.	Inhabitants to one Child born, by Color and Sex.
All colors.....	Total.....	* 1,849,882	40,408	100.00	2.18		45.78
	Males.....	972,086	20,908	100.00	2.15	51.85	46.49
	Females..	877,580	19,414	100.00	2.21	48.15	45.20
	Unknown	206	86	100.00			
White.....	Total.....	1,826,740	40,028	99.06	2.19		45.64
	Males.....	960,065	20,728	99.14	2.16	51.85	46.32
	Females..	866,665	19,250	99.16	2.22	48.15	45.02
	Unknown	10	50	58.14			
Black.....	Total.....	6,853	109	.27	1.59		62.87
	Males.....	3,691	55	.26	1.49	50.46	67.11
	Females..	3,162	54	.28	1.71	49.54	58.56
Mulatto.....	Total.....	8,267	101	.25	1.22		81.85
	Males.....	4,211	49	.24	1.16	49.00	85.94
	Females..	4,056	51	.26	1.28	51.00	79.53
	Unknown		1	1.16			
Indian.....	Total.....	6,879	135	.33	1.96		50.96
	Males.....	3,559	76	.36	2.14	56.30	46.83
	Females..	3,320	59	.30	1.78	43.70	56.27
Unknown color.....	Total.....	1,083	35	.09	3.23		30.94
	Males.....	500					
	Females..	387					
	Unknown	196	35	40.70			5.60
Black and Mulatto.	Total.....	15,120	210	.52	1.39		72.00
	Males.....	7,902	104	.50	1.32	49.76	75.96
	Females..	7,218	105	.54	1.45	50.24	68.74
	Unknown		1	1.16			

* Includes 70 Asiatic males.

E 6.—*Exhibiting for the State and Counties of Michigan, by Sex, the Population 1884, the Per Cent of Births in 1884 to Population, the Number of Males to 100 females born during the Year 1884, and by Sex and Color the Births returned for 1884. (Still-births included.)*

Counties.	Births, Males to 100 Females.	Sex.	Per Ct. of Births of each Sex to Total of Both Sexes.	Population in 1884 Represented by Births in 1884.	Per Ct. of Births of Each Sex to Population of Same Sex.	Color,—Children Born in 1884.					
						Total of All Colors.	White.	Black.	Mulatto.	Indian.	Unk.
	108	Total.....		1,849,892	2.18	40,408	40,028	100	101	135	35
		Males.....	51.85	972,096	2.15	20,908	20,728	55	49	76	.....
		Females..	48.15	877,590	2.21	19,414	19,250	54	51	50	.....
		Unknown.....		206	.....	86	50	.....	1	.....	35
	78	Total.....		4,028	1.19	48	47	.....	.....	1	.....
		Males.....	43.75	2,428	.86	21	20	.....	.....	1	.....
		Females..	56.25	1,600	1.69	27	27	.....	.....	.....	.....
1.....	106	Total.....		38,686	1.96	764	761	2	1	.....	.....
		Males.....	51.44	20,052	1.96	393	391	1	1	.....	.....
		Females..	48.56	18,614	1.99	371	370	1	.....	.....	.....
	110	Total.....		12,683	3.44	436	434	.....	2	.....	.....
		Males.....	52.29	6,990	3.26	228	227	.....	1	.....	.....
		Females..	47.71	5,693	3.65	208	207	.....	1	.....	.....
1.....	128	Total.....		8,761	1.51	132	132	.....	.....	.....	.....
		Males.....	56.06	4,736	1.56	74	74	.....	.....	.....	.....
		Females..	43.94	4,025	1.44	58	58	.....	.....	.....	.....
.....	113	Total.....		4,027	2.48	100	94	.....	.....	6	.....
		Males.....	53.00	2,319	2.29	53	51	.....	.....	2	.....
		Females..	47.00	1,708	2.75	47	43	.....	.....	4	.....
.....	112	Total.....		3,039	2.30	70	57	.....	.....	13	.....
		Males.....	52.86	1,619	2.03	37	30	.....	.....	7	.....
		Females..	47.14	1,220	2.70	33	27	.....	.....	6	.....
.....	97	Total.....		24,102	1.42	342	342	.....	.....	.....	.....
		Males.....	51.75	12,507	1.42	177	177	.....	.....	.....	.....
		Females..	48.25	11,595	1.42	165	165	.....	.....	.....	.....

VITAL STATISTICS OF MICHIGAN, 1884.

TABLE 6.—CONTINUED.—*Births by Counties, by Sex, and by Color.*

Counties.	Births, Males to 100 Females.	Sex.	Per Ct. of Births of each Sex to Total of Both Sexes.	Popula- tion in 1884 Repre- sented by Births in 1884.	Per Ct. of Births of Each Sex to Popula- tion of Same Sex.	Color,—Children Born in 1884.					
						Total of All Colors.	White.	Black.	Mu- latto.	In- dian.	Unk.
Bay.....	102	Total.....	.....	51,221	2.83	1,448	1,434	2	2	10	.....
		Males.....	50.55	28,215	2.59	732	728	.....	.....	4	.....
		Females..	49.45	23,006	3.11	716	706	2	2	6	.....
Benzie.....	88	Total.....	.....	4,389	2.19	96	94	1	1	.....	.....
		Males.....	46.88	2,349	1.92	45	45	.....	.....	.....	.....
		Females..	53.12	2,040	2.50	51	49	1	1	.....	.....
Berrien.....	95	Total.....	.....	37,776	1.69	639	630	5	2	.....	.....
		Males.....	48.82	19,225	1.61	310	307	3	.....	.....	.....
		Females..	51.18	18,551	1.75	325	321	2	2	.....	.....
		Unknown.....	.....	.....	.....	4	2	.....	.....	.....	.....
Branch.....	91	Total.....	.....	27,661	1.46	404	404	.....	.....	.....	.....
		Males.....	47.76	14,042	1.37	192	192	.....	.....	.....	.....
		Females..	52.24	13,619	1.54	210	210	.....	.....	.....	.....
		Unknown.....	.....	.....	.....	2	2	.....	.....	.....	.....
Calhoun.....	99	Total.....	.....	41,585	1.82	758	721	1	11	.....	.....
		Males.....	49.66	21,297	1.70	361	356	.....	5	.....	.....
		Females..	50.34	20,285	1.80	396	360	1	5	.....	.....
		Unknown.....	.....	3	.....	31	5	.....	1	.....	.....
Cass.....	116	Total.....	.....	21,202	1.68	357	336	3	18	.....	.....
		Males.....	53.65	10,886	1.75	191	181	1	9	.....	.....
		Females..	46.35	10,316	1.60	165	154	2	9	.....	.....
		Unknown.....	.....	.....	.....	1	1	.....	.....	.....	.....
Charlevoix.....	103	Total.....	.....	9,275	1.87	173	168	2	.....	3	.....
		Males.....	51.45	5,030	1.77	89	87	2	.....	.....	.....
		Females..	48.55	4,245	1.98	84	81	.....	.....	3	.....
Cheboygan.....	118	Total.....	.....	9,946	2.65	264	262	.....	.....	2	.....
		Males.....	54.17	5,503	2.60	143	142	.....	.....	1	.....
		Females..	45.83	4,443	2.72	121	120	.....	.....	1	.....
Chippewa.....	121	Total.....	.....	7,467	1.15	86	78	.....	1	7	.....
		Males.....	54.65	4,139	1.14	47	43	.....	.....	4	.....
		Females..	45.35	3,328	1.17	39	35	.....	1	3	.....
Clare.....	98	Total.....	.....	5,549	1.69	94	94	.....	.....	.....	.....
		Males.....	49.44	3,251	1.35	44	44	.....	.....	.....	.....
		Females..	50.56	2,298	1.06	45	45	.....	.....	.....	.....
		Unknown.....	.....	.....	.....	5	5	.....	.....	.....	.....

BIRTHS, BY COUNTIES, BY SEX, BY COLOR.

TABLE 6.—CONTINUED.—Births by Counties, by Sex, and by Color.

Counties.	Births, Males to 100 Females.	Sex.	Per Ct. of Births of each Sex to Total of Both Sexes.	Popula- tion in 1884 Repre- sented by Births in 1884.	Per Ct. of Births of Each Sex to Popula- tion of Same Sex.	Color,—Children Born in 1884.				
						Total of All Colors.	White.	Black.	Mu- latto.	In- dian.	Unk.
Albion.....	109	Total.....	.....	27,135	1.81	490	490	.....	.....	.....
		Males.....	52.15	14,034	1.82	255	255	.....	.....	.....
		Females..	47.85	13,101	1.79	234	234	.....	.....	.....
		Unknown.....	.....	.....	.....	1	1	.....	.....	.....
Barnesford.....	90	Total.....	.....	1,543	2.46	38	38	.....	.....	.....
		Males.....	47.37	904	1.99	18	18	.....	.....	.....
		Females..	52.63	639	3.13	20	20	.....	.....	.....
Barnesville.....	98	Total.....	.....	9,992	2.37	237	237	.....	.....	.....
		Males.....	49.37	5,876	1.99	117	117	.....	.....	.....
		Females..	50.63	4,116	2.92	120	120	.....	.....	.....
Barnesville.....	119	Total.....	.....	31,802	1.81	576	574	2	.....	.....
		Males.....	54.43	16,210	1.93	313	312	1	.....	.....
		Females..	45.57	15,592	1.68	262	261	1	.....	.....
		Unknown.....	.....	.....	.....	1	1	.....	.....	.....
Barnesville.....	112	Total.....	.....	7,944	1.95	155	121	.....	1	33
		Males.....	52.90	4,095	2.00	82	63	.....	1	18
		Females..	47.10	3,849	1.90	73	58	.....	.....	15
Barnesville.....	109	Total.....	.....	38,776	1.59	615	613	2	.....	.....
		Males.....	52.20	19,782	1.62	321	320	1	.....	.....
		Females..	47.80	18,994	1.55	294	293	1	.....	.....
Barnesville.....	81	Total.....	.....	1,456	1.99	29	29	.....	.....	.....
		Males.....	44.83	849	1.53	13	13	.....	.....	.....
		Females..	55.17	607	2.64	16	16	.....	.....	.....
Barnesville.....	107	Total.....	.....	12,092	1.86	225	225	.....	.....	.....
		Males.....	51.79	6,522	1.78	116	116	.....	.....	.....
		Females..	48.21	5,570	1.94	108	108	.....	.....	.....
		Unknown.....	.....	.....	.....	1	1	.....	.....	.....
Barnesville.....	104	Total.....	.....	25,049	2.13	533	532	.....	1	.....
		Males.....	51.03	13,204	2.06	272	271	.....	1	.....
		Females..	48.97	11,845	2.20	261	261	.....	.....	.....
Barnesville.....	103	Total.....	.....	31,686	1.29	400	408	.....	.....	1
		Males.....	50.74	15,911	1.30	207	206	.....	.....	1
		Females..	49.26	15,775	1.27	201	201	.....	.....	.....
		Unknown.....	.....	.....	.....	1	1	.....	.....	.....
Barnesville.....	104	Total.....	.....	26,146	3.65	954	954	.....	.....	.....
		Males.....	50.94	14,168	3.43	486	486	.....	.....	.....
		Females..	49.06	11,978	3.91	468	468	.....	.....	.....

TABLE 6.—CONTINUED.—*Births by Counties, by Sex, and by Color.*

Counties.	Births, Males to 100 Females.	Sex.	Per Ct. of Births of each Sex to Total of Both Sexes.	Popula- tion in 1884 Repre- sented by Births in 1884.	Per Ct. of Births of Each Sex to Popula- tion of Same Sex.	Color,—Children Born in 1884.					
						Total of All Colors.	White.	Black.	Mu- latto.	In- dian.	Unk.
Huron	107	Total.....		24,521	3.13	767	766				1
		Males.....	51.78	12,934	3.03	362	362				
		Females..	48.22	11,585	3.15	365	365				
		Unknown.....		2		10	9				1
Ingham.....	102	Total.....		34,939	1.93	676	674	1	1		
		Males.....	50.52	17,917	1.90	341	340	1			
		Females..	49.48	17,022	1.96	334	333		1		
		Unknown.....				1	1				
Ionia.....	107	Total.....		32,559	1.50	488	488				
		Males.....	51.64	17,057	1.47	252	252				
		Females..	48.36	15,502	1.52	236	236				
Iosco.....	108	Total.....		10,602	2.29	243	242		1		
		Males.....	51.85	6,000	2.08	126	125		1		
		Females..	48.15	4,542	2.58	117	117				
Isabella.....	106	Total.....		16,011	2.55	401	385		3	13	
		Males.....	51.37	8,597	2.40	206	198			8	
		Females..	48.63	7,414	2.63	195	187		3	5	
Jackson.....	102	Total.....		45,232	1.75	794	788	6			
		Males.....	50.38	23,385	1.71	400	397	3			
		Females..	49.62	21,847	1.80	394	391	3			
Kalamazoo.....	123	Total.....		35,281	1.48	524	518	2	4		
		Males.....	55.15	17,875	1.62	289	285	1	3		
		Females..	44.85	17,406	1.35	235	233	1	1		
Kalkaska.....	133	Total.....		4,493	1.40	63	63				
		Males.....	57.14	2,470	1.46	36	36				
		Females..	42.86	2,023	1.33	27	27				
Kent.....	101	Total.....		84,600	2.23	1,890	1,882	4	4		
		Males.....	50.26	43,467	2.18	950	944	3	3		
		Females..	49.74	41,133	2.29	940	938	1	1		
Keweenaw.....	121	Total.....		4,667	4.71	220	220				
		Males.....	54.79	2,551	4.70	120	120				
		Females..	45.21	2,116	4.68	99	99				
Lake.....	96	Unknown.....				1	1				
		Total.....		7,539	1.33	100	99			1	
		Males.....	49.00	4,528	1.08	49	48			1	
		Females..	51.00	3,011	1.69	51	51				

BIRTHS, BY COUNTIES, BY SEX, BY COLOR.

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TABLE 6.—CONTINUED.—*Births by Counties, by Sex, and by Color.*

Counties.	Births, Males to 100 Females.	Sex.	Per Ct. of Births of each Sex to Total of Both Sexes.	Popula- tion in 1884 Repres- ented by Births in 1884.	Per Ct. of Births of Each Sex to Popula- tion of Same Sex.	Color,—Children Born in 1884.					
						Total of All Colors.	White.	Black.	Mu- latto.	In- dian.	Unk.
Deer.....	109	Total.....	.....	30,057	2.01	603	599	.....	3	.....	1
		Males.....	52.16	15,568	2.02	314	312	.....	2	.....
		Females..	47.84	14,489	1.99	288	287	.....	1	.....
		Unknown.....	.....	.....	.....	1	.....	.....	.....	.....	1
Manaw.....	111	Total.....	.....	7,128	2.69	192	176	1	.....	15	.....
		Males.....	52.60	3,842	2.63	101	91	.....	.....	10	.....
		Females..	47.40	3,286	2.77	91	85	1	.....	5	.....
Lawee.....	112	Total.....	.....	49,584	1.35	669	659	8	2	.....	.....
		Males.....	52.84	24,916	1.41	353	350	2	1	.....	.....
		Females..	47.16	24,668	1.28	315	308	6	1	.....	.....
		Unknown.....	.....	.....	.....	1	1	.....	.....	.....	.....
Kingston.....	116	Total.....	.....	21,568	1.43	309	309	.....	.....	.....	.....
		Males.....	53.72	11,254	1.48	166	166	.....	.....	.....	.....
		Females..	46.28	10,314	1.39	143	143	.....	.....	.....	.....
McKinac.....	124	Total.....	.....	5,171	2.03	105	95	.....	.....	9	1
		Males.....	55.34	2,948	1.93	57	50	.....	.....	7	.....
		Females..	44.66	2,223	2.07	46	44	.....	.....	2	.....
		Unknown.....	.....	.....	.....	2	1	.....	.....	.....	1
Comb.....	106	Total.....	.....	31,293	2.24	700	699	1	.....	.....	.....
		Males.....	51.43	15,978	2.25	360	359	1	.....	.....	.....
		Females..	48.57	15,315	2.22	340	340	.....	.....	.....	.....
Winnetee.....	115	Total.....	.....	19,875	3.58	712	712	.....	.....	.....	.....
		Males.....	53.51	10,879	3.50	381	381	.....	.....	.....	.....
		Females..	46.49	8,996	3.68	331	331	.....	.....	.....	.....
Winneton.....	133	Total.....	.....	1,198	1.75	21	21	.....	.....	.....	.....
		Males.....	57.14	547	2.19	12	12	.....	.....	.....	.....
		Females..	42.86	456	1.97	9	9	.....	.....	.....	.....
		Unknown.....	.....	195	.....	.....	.....	.....	.....	.....	.....
Marquette.....	115	Total.....	.....	31,397	3.10	1,074	1,073	1	.....	.....	.....
		Males.....	53.45	17,580	3.27	574	573	1	.....	.....	.....
		Females..	46.55	13,817	3.62	500	500	.....	.....	.....	.....
Wason.....	109	Total.....	.....	13,221	2.28	301	300	.....	.....	1	.....
		Males.....	52.16	7,232	1.27	157	156	.....	.....	1	.....
		Females..	47.84	5,989	2.40	144	144	.....	.....	.....	.....

TABLE 6.—CONTINUED.—*Births by Counties, by Sex, and by Color.*

Counties.	Births, Males to 100 Females.	Sex.	Per Ct. of Births of each Sex to Total of Both Sexes.	Popula- tion in 1884 Repres- ented by Births in 1884.	Per Ct. of Births of Each Sex to Popula- tion of Same Sex.	Color,—Children Born in 1884.				
						Total of All Colors.	White.	Black.	Mu- latto.	In- dian.
Macosta	112	Total.....	.....	20,597	1.82	375	373	1	1	.....
		Males.....	52.80	11,283	1.75	198	197	1	.....	.....
		Females..	47.20	9,314	1.90	177	176	.....	1	.....
Menominee.....	103	Total.....	.....	19,120	2.34	638	635	.....	.....	3
		Males.....	50.78	11,498	2.82	324	324	.....	.....	.....
		Females..	49.22	7,632	4.11	314	311	.....	.....	3
Midland.....	139	Total.....	.....	8,776	2.23	196	196	.....	.....	.....
		Males.....	58.16	4,728	2.41	114	114	.....	.....	.....
		Females..	41.84	4,048	2.03	82	82	.....	.....	.....
Missaukee.....	71	Total.....	.....	3,388	3.54	120	119	.....	.....	1
		Males.....	41.67	2,098	2.46	50	50	.....	.....	.....
		Females..	58.33	1,350	5.19	70	69	.....	.....	1
Monroe.....	108	Total.....	.....	33,353	1.90	633	632	.....	.....	1
		Males.....	51.97	17,188	1.91	329	329	.....	.....	.....
		Females..	48.03	16,165	1.86	304	303	.....	.....	1
Montcalm.....	114	Total.....	.....	35,354	1.73	610	607	.....	3	.....
		Males.....	53.28	18,774	1.73	325	323	.....	2	.....
		Females..	46.72	16,581	1.72	285	284	.....	1	.....
Montmorency ..	73	Unknown.....	.....	1	.....	.....	.....	.....	.....	.....
		Total.....	.....	845	2.25	19	19	.....	.....	.....
		Males.....	42.11	494	1.62	8	8	.....	.....	.....
Muskegon.....	97	Females..	57.89	351	3.13	11	11	.....	.....	.....
		Total.....	.....	37,334	2.91	1,062	1,060	.....	2	.....
		Males.....	49.22	20,322	2.61	537	536	.....	1	.....
Newaygo.....	115	Females..	50.78	17,029	3.25	334	333	.....	1	.....
		Unknown.....	.....	3	.....	1	1	.....	.....	.....
		Total.....	.....	18,996	1.36	239	238	.....	.....	1
Oakland.....	89	Males.....	53.36	10,684	1.20	128	128	.....	.....	.....
		Females..	46.64	8,312	1.34	111	110	.....	.....	1
		Total.....	.....	41,160	1.39	372	370	2	.....	.....
		Males.....	49.02	20,021	1.26	294	293	1	.....	.....
		Females..	.....	.....	1.42	298	295	1	.....	.....
		Total.....	.....	.....	.....	2	2	.....	.....	.....

TABLE 6.—CONTINUED.—*Births by Counties, by Sex, and by Color.*

Counties.	Births, Males to 100 Females.	Sex.	Per Ct. of Births of each Sex to Total of Both Sexes.	Popula- tion in 1884 Repre- sented by Births in 1884.	Per Ct. of Births of Each Sex to Popula- tion of Same Sex.	Color,—Children Born in 1884.					
						Total of All Colors.	White.	Black.	Mu- latto.	In- dian.	Unk.
Oceana.....	123	Total.....		14,519	2.09	303	300	1	1	1	
		Males.....	55.15	7,859	2.11	166	165	1			
		Females..	44.85	6,660	2.03	135	133		1	1	
		Unknown.....				2	2				
Ogemaw.....	126	Total.....		3,475	1.24	43	43				
		Males.....	55.81	1,951	1.23	24	24				
		Females..	44.19	1,524	1.25	19	19				
Ontonagon.....	143	Total.....		4,836	1.18	57	56			1	
		Males.....	58.93	3,329	.99	33	32			1	
		Females..	41.07	1,507	1.53	23	23				
		Unknown.....				1	1				
Osceola.....	98	Total.....		14,001	2.48	348	347			1	
		Males.....	49.43	7,533	2.28	172	171			1	
		Females..	50.57	6,468	2.72	176	176				
Oscoda.....	71	Total.....		1,374	1.75	24	24				
		Males.....	41.67	798	1.25	10	10				
		Females..	58.33	576	2.43	14	14				
Otsego.....	148	Total.....		3,906	1.72	97	97				
		Males.....	59.70	2,223	1.79	40	40				
		Females..	40.30	1,683	1.60	27	27				
Ottawa.....	104	Total.....		36,225	2.51	911	911				
		Males.....	51.04	18,970	2.45	465	465				
		Females..	48.96	17,255	2.58	446	446				
Presque Isle...	105	Total.....		4,064	3.69	150	149	1			
		Males.....	51.33	2,168	3.55	77	77				
		Females..	48.67	1,896	3.85	73	72	1			
Roscommon...	125	Total.....		1,737	2.07	36	34			2	
		Males.....	55.56	1,305	1.53	20	19			1	
		Females..	44.44	432	3.70	16	15			1	
Saginaw.....	112	Total.....		74,795	2.35	1,761	1,755	2		4	
		Males.....	52.76	41,588	2.23	926	920	2		4	
		Females..	47.24	33,207	2.50	829	829				
		Unknown.....				6	6				

VITAL STATISTICS OF MICHIGAN, 1884.

TABLE 6.—CONTINUED.—Births by Counties, by Sex, and by Color.

Counties.	Births, Males to 100 Females.	Sex.	Per Ct. of Births of each Sex to Total of Both Sexes.	Popula- tion in 1884 Repre- sented by Births in 1884.	Per Ct. of Births of Each Sex to Popula- tion of Same Sex.	Color, &—Children Born in 1884.					
						Total of All Colors.	White.	Black.	Mu- latto.	In- dian.	Unk.
Sanilac.....	98	Total.....		29,583	2.55	754	753	1			
		Males.....	48.07	15,578	2.32	362	361	1			
		Females..	51.93	14,005	2.79	391	391				
		Unknown				1	1				
Schoolcraft....	127	Total.....		2,977	.84	25	21			4	
		Males.....	56.00	1,972	.71	14	11			3	
		Females..	44.00	1,005	1.09	11	10			1	
		Unknown									
Shiawassee....	97	Total.....		28,078	1.58	444	444				
		Males.....	49.21	14,731	1.48	218	218				
		Females..	50.79	13,347	1.69	225	225				
		Unknown				1	1				
St. Clair.....	112	Total.....		46,783	2.23	1,044	1,040	2			2
		Males.....	52.78	24,058	2.29	550	550				
		Females..	47.22	22,723	2.17	492	490	2			
		Unknown		2		2					2
St. Joseph.....	114	Total.....		26,277	1.76	462	461		1		
		Males.....	53.38	13,295	1.84	245	244		1		
		Females..	46.62	12,982	1.65	214	214				
		Unknown				3	3				
Tuscola.....	105	Total.....		30,726	2.23	686	683			1	2
		Males.....	51.32	16,126	2.18	351	350			1	
		Females..	48.68	14,600	2.28	333	333				
		Unknown				2					2
Van Buren.....	102	Total.....		30,341	1.40	424	419	1	4		
		Males.....	50.47	15,377	1.39	214	212		2		
		Females..	49.53	14,964	1.40	210	207	1	2		
		Unknown									
Washtenaw....	114	Total.....		41,694	1.38	576	567	8	1		
		Males.....	53.30	21,967	1.46	307	301	5	1		
		Females..	46.70	20,627	1.30	269	266	3			
		Unknown									
Wayne.....	115	Total.....		188,966	3.29	6,222	6,146	45	30		1
		Males.....	53.49	94,492	3.52	3,327	3,290	23	14		
		Females..	46.51	94,474	3.06	2,893	2,855	22	16		
		Unknown				2	1				1
Wexford.....	86	Total.....		10,518	2.41	253	252	1			
		Males.....	46.25	5,732	2.04	117	117				
		Females..	53.75	4,786	2.84	136	135	1			

PARENT-NATIVITY.

In Table 7 the usual distinction of parentage is made, where it will be observed that the number of children born of native-born parents, in 1884, was 43.06 per cent of the whole number, while the per cent of births of foreign parentage was 36.37 of the whole number. It is worthy of remark that the births of native parentage, for 1884, are less in proportion to the whole number than for any year since 1879; while the births of foreign parentage are greater than for any year during the period from 1870 to 1883. The average per cent of children born of native-born parents for the fifteen years 1870-1884 was 45.12, and the average per cent of children born of foreign-born parents for the same period of years was 34.38 per cent. The births of mixed parentage are steadily increasing in their percentage from year to year.

TABLE 7.—*Showing, by Sex, the Parent-nativity of Children Born in Michigan during the Year 1884, according to the Returns.*

Nativity of Parents of Children Born, 1884.	Total Births, 1884.							
	Number.				Per Cent of Total.			
	Totals.	Males.	Females.	Unk.	Totals.	Males.	Females.	Unk.
All Nativities.....	40,408	20,908	19,414	86	100.00	100.00	100.00	100.00
Both parents native-born.....	17,399	8,995	8,386	18	43.06	43.02	43.19	20.93
Both parents foreign-born.....	14,696	7,645	7,067	14	36.37	36.56	36.25	16.28
Foreign father and native mother.....	4,612	2,389	2,218	5	11.41	11.43	11.42	5.81
Foreign mother and native father.....	2,620	1,361	1,259	.....	6.48	6.51	6.49	.....
Unknown mother, father native.....	65	37	27	1	.16	.18	.14	1.16
Unknown mother, father foreign.....	27	14	13	.....	.07	.07	.07	.....
Unknown father, mother native.....	148	70	76	2	.37	.33	.39	2.33
Unknown father, mother foreign.....	73	37	36	.....	.18	.18	.19	.....
Both unknown.....	768	360	362	46	1.90	1.72	1.86	53.49
One or both native.....	24,844	12,852	11,966	26	61.48	61.47	61.64	30.23
One or both foreign.....	22,028	11,446	10,563	19	54.51	54.74	54.41	22.09

By reference to Table 8, the results given in Table 7 may be compared with the years 1882, 1883, and the average for nine years 1875-1883. The proportion of children born of native-born parents for the year 1884 is less by 2.21 per cent than the average for nine years, while the proportion of children of foreign-born parents is greater than the average by 1.85 per cent.

By dividing the births of mixed parentage equally between the native and foreign, we find that in a population of 1,357,639 persons native-born, there were in 1884, 21,556 children born; while in a population of 486,968 persons foreign-born, there were 18,853 children born. Calculating the rates per one thousand of the population, there were 15.88 per thousand among the native-born, and 38.72 per thousand among the foreign-

born. As the statement of the native population includes very nearly all the children, further study of the subject is necessary in order to arrive at more correct conclusions. Leaving out of the population all those under twenty years of age, we have 636,727 native-born and 386,088 foreign-born. Now computing the rates per one thousand of the population as before, we have 33.85 among the native and 48.83 among the foreign.

The contrast between the birth-rates is thus seen to disappear somewhat, but there is still an advantage on the side of the foreign-born.

TABLE 8.—*Parent-nativity of Children Born in Michigan for each of the Years 1882-1884, and the Average for Nine Years, 1875-1883.*

Nativity of Parents of Children Born.		1882.		1883.		1884.		Av. for 9 Years, 1875-1883.	
		Number.	Per Cent. of Total.	Number.	Per Cent. of Total.	Number.	Per Cent. of Total.	Number.	Per Cent. of Total.
All nativities.....		37,028	100.00	40,809	100.00	40,406	100.00	35,198	100.00
Both native-born.....		16,169	43.67	17,810	43.64	17,399	43.06	15,933	45.27
Both foreign-born.....		18,173	35.58	14,716	36.06	14,996	36.37	12,152	34.52
Foreign father and native mother.....		4,357	11.77	4,566	11.19	4,612	11.41	3,917	11.13
Foreign mother and native father.....		2,213	5.97	2,532	6.21	2,620	6.48	2,046	5.81
One or both unknown.....		1,114	3.01	1,185	2.90	1,081	2.68	1,150	3.27
One or both parents native.....		22,739	61.41	24,908	61.04	24,631	60.95	21,933	62.34
One or both parents foreign.....		19,743	53.35	21,814	53.45	21,928	54.27	18,181	51.23
Father...	Native.....	18,584	50.19	20,526	50.30	20,084	49.70	18,187	51.67
	Foreign.....	17,618	47.58	19,387	47.51	19,335	47.85	16,228	46.11
	Unknown.....	824	2.23	896	2.19	989	2.45	783	2.22
Mother...	Native.....	20,732	55.99	22,587	55.35	22,159	54.84	20,058	56.99
	Foreign.....	15,461	41.76	17,345	42.50	17,389	43.03	14,292	40.60
	Unknown.....	833	2.25	877	2.15	860	2.13	848	2.41

* Excluding cases where nativity of either parent is unknown.

TABLE 9.—*Exhibiting, for the State and Counties of Michigan, by Sex, the Parent-nativity of Children Returned as having been Born within the year 1884 (still births included.)*

State and Counties.	Sex.	Children Born, 1884.	Nativity of Parents of Children Born, 1884.								
			Both Native Born.	Both Foreign Born.	Foreign Father, Na- tive Mother.	Foreign Mother, Na- tive Father.	Mother Unknown.		Father Unknown.		Both Unknown.
							Father.		Mother.		
							Native.	Foreign.	Native.	Foreign.	
State.....	Total.....	40,408	17,399	14,696	4,612	2,620	65	27	148	73	768
	Males.....	20,908	8,995	7,645	2,389	1,361	37	14	70	37	360
	Females..	19,414	8,386	7,037	2,218	1,259	27	13	76	36	362
	Unknown	86	18	14	5	.....	1	.....	2	.....	46
Alcona.....	Total.....	48	14	24	7	3	.....	.....	.....	.....	.....
	Males.....	21	5	10	3	3	.....	.....	.....	.....	.....
	Females..	27	9	14	4	.....	.....	.....	.....	.....	.....
Allegan.....	Total.....	764	467	166	85	43	.....	.....	1	.....	2
	Males.....	393	239	91	38	23	.....	.....	1	.....	1
	Females..	371	228	75	47	20	.....	.....	.....	.....	1
Alpena.....	Total.....	436	70	309	37	18	.....	.....	.....	2	.....
	Males.....	228	31	165	20	12	.....	.....	.....	.....	.....
	Females..	208	39	144	17	6	.....	.....	.....	2	.....
Antrim.....	Total.....	132	56	42	21	13	.....	.....	.....	.....	.....
	Males.....	74	29	26	13	6	.....	.....	.....	.....	.....
	Females..	58	27	16	8	7	.....	.....	.....	.....	.....
Arenac.....	Total.....	100	31	40	19	10	.....	.....	.....	.....	.....
	Males.....	53	12	22	15	4	.....	.....	.....	.....	.....
	Females..	47	19	18	4	6	.....	.....	.....	.....	.....
Baraga.....	Total.....	70	17	42	7	2	.....	.....	.....	.....	2
	Males.....	37	10	21	3	1	.....	.....	.....	.....	2
	Females..	33	7	21	4	1	.....	.....	.....	.....	.....
Barry.....	Total.....	342	275	23	26	9	5	2	2	.....	.....
	Males.....	177	146	11	11	3	2	2	2	.....	.....
	Females..	165	129	12	15	6	3	.....	.....	.....	.....

TABLE 9.—CONTINUED.—*Births by Counties, Parent-nativity, and Sex.*

Counties.	Sex.	Children Born, 1884.	Nativity of Parents of Children Born, 1884.								Both Unknown.
			Both Native Born.	Both Foreign Born.	Foreign Father, Na- tive Mother.	Foreign Mother, Na- tive Father.	Mother Unknown.		Father Unknown.		
							Father.		Mother.		
							Native.	Foreign.	Native.	Foreign.	
Bay	Total	1,448	283	828	192	131	.....	1	3	5	5
	Males	732	130	427	101	67	.....	.....	2	3	2
	Females	716	153	401	91	64	.....	1	1	2	3
Benzie	Total	96	49	22	13	11	.....	.....	1	.....	.....
	Males	45	26	9	6	4	.....	.....	.....	.....	.....
	Females	51	23	13	7	7	.....	.....	1	.....	.....
Berrien	Total	639	400	80	52	22	14	2	5	2	2
	Males	310	219	44	21	12	6	1	4	1	2
	Females	325	238	35	31	10	8	1	1	1	.....
	Unknown	4	3	1	.....	.....	.....	.....	.....	.....	.....
Branch	Total	404	326	35	27	11	.....	.....	2	.....	3
	Males	192	154	20	11	5	.....	.....	.....	.....	2
	Females	210	171	14	16	6	.....	.....	2	.....	1
	Unknown	2	1	1	.....	.....	.....	.....	.....	.....	.....
Calhoun	Total	758	516	74	49	34	2	.....	6	.....	77
	Males	361	258	32	27	22	2	.....	1	.....	19
	Females	396	255	42	22	12	.....	.....	4	.....	31
	Unknown	31	3	.....	.....	.....	.....	.....	1	.....	27
Cass	Total	357	299	20	16	14	1	.....	2	.....	5
	Males	191	168	8	6	4	.....	.....	2	.....	3
	Females	165	130	12	10	10	1	.....	.....	.....	2
	Unknown	1	1	.....	.....	.....	.....	.....	.....	.....	.....
Charlevoix	Total	173	80	41	32	14	.....	.....	.....	.....	6
	Males	89	43	22	14	7	.....	.....	.....	.....	3
	Females	84	37	19	18	7	.....	.....	.....	.....	3
Cheboygan	Total	264	82	121	32	28	.....	.....	.....	1	.....
	Males	143	44	62	21	15	.....	.....	.....	1	.....
	Females	121	38	59	11	13	.....	.....	.....	.....	.....
Chippewa	Total	86	11	59	7	7	.....	1	.....	.....	1
	Males	47	6	32	5	3	.....	.....	.....	.....	1
	Females	39	5	27	2	4	.....	1	.....	.....	.....
Clare	Total	94	41	25	15	8	2	1	.....	.....	2
	Males	44	21	9	7	5	1	1	.....	.....	.....
	Females	45	20	14	8	3	.....	.....	.....	.....	.....
	Unknown	5	.....	2	.....	.....	1	.....	.....	.....	2

TABLE 9.—CONTINUED.—*Births by Counties, Parent-nativity, and Sex.*

Nativity of Parents of Children Born, 1884.												
Counties.	Sex.	Children Born, 1884.	Both Native Born.	Both Foreign Born.	Foreign Father, Na- tive Mother.	Foreign Mother Na- tive Father.	Mother Unknown.		Father Unknown.		Both Unknown.	
							Father.		Mother.			
							Native.	Foreign.	Native.	Foreign.		
Anson.	Total.....	490	329	40	67	35	4	2	7	2	4	
	Males.....	255	172	19	35	19	4	1	2	1	22	
	Females..	234	157	20	32	16		1	5	1	22	
	Unknown.....	1		1								
Barnard.	Total.....	38	20	9	5	4						
	Males.....	18	8	5	5							
	Females..	20	12	4		4						
	Unknown.....											
Barnstable.	Total.....	237	45	111	27	11					43	
	Males.....	117	23	58	11	6					16	
	Females..	120	19	53	16	5					27	
	Unknown.....											
Berk.	Total.....	576	492	22	28	22			5		7	
	Males.....	313	276	9	14	13					1	
	Females..	262	216	13	14	9			5		5	
	Unknown.....	1									1	
Bristol.	Total.....	155	100	24	13	12	2		3	1		
	Males.....	82	52	13	7	7	2		1			
	Females..	73	48	11	6	5			2	1		
	Unknown.....											
Buck.	Total.....	615	395	81	79	52	3		1	2	2	
	Males.....	321	205	40	48	22	3		1	2		
	Females..	294	190	41	31	30					2	
	Unknown.....											
Butt.	Total.....	29	12	8	6			1			2	
	Males.....	13	5	4	2						2	
	Females..	16	7	4	4			1				
	Unknown.....											
Cape.	Total.....	225	126	49	27	16	1		3		3	
	Males.....	116	64	24	14	10	1		3			
	Females..	108	61	25	13	6					3	
	Unknown.....	1	1									
Chatham.	Total.....	533	407	30	48	39	1		5	1	2	
	Males.....	272	215	14	19	19	1		2	1	1	
	Females..	261	192	16	29	20			3		1	
	Unknown.....											
Chatham.	Total.....	409	361	16	17	10	3		1		1	
	Males.....	207	182	11	8	5	1					
	Females..	201	178	5	9	5	2		1		1	
	Unknown.....	1	1									

TABLE 9.—CONTINUED.—*Births by Counties, Parent-nativity, and Sex.*

Nativity of Parents of Children Born, 1884.												
Counties.	Sex.	Children Born, 1884.	Both Native Born.	Both Foreign Born.	Foreign Father, Na- tive Mother.	Foreign Mother, Na- tive Father.	Mother Unknown.		Father Unknown.		Both Unknown.	
							Father.		Mother.			
							Native.	Foreign.	Native.	Foreign.		
Houghton.....	Total.....	954	68	718	129	41			1		2	
	Males.....	486	32	367	69	17					1	
	Females.....	468	36	346	60	24			1		1	
Huron.....	Total.....	767	100	462	117	71	2	3	4	2	6	
	Males.....	392	46	244	58	34	2	2	2		4	
	Females.....	365	53	214	56	37		1	2	2		
Ingham.....	Unknown.....	10	1	4	3						2	
	Total.....	676	447	85	50	40			6		48	
	Males.....	341	223	49	24	17					28	
Ionia.....	Females.....	334	224	36	26	23			6		19	
	Unknown.....	1									1	
	Total.....	488	346	66	50	25			1			
Iosco.....	Males.....	252	178	33	21	19			1			
	Females.....	236	168	33	29	6						
	Total.....	243	33	174	18	10					8	
Isabella.....	Males.....	126	11	88	13	8					6	
	Females.....	117	22	86	5	2					2	
	Total.....	401	215	100	40	45			1			
Jackson.....	Males.....	206	111	50	20	24			1			
	Females.....	195	104	50	20	21						
	Total.....	794	529	155	65	42					3	
Kalamazoo.....	Males.....	400	255	80	38	26					1	
	Females.....	394	274	75	27	16					2	
	Total.....	524	346	114	41	20					3	
Kalkaska.....	Males.....	289	192	63	22	11					1	
	Females.....	235	154	51	19	9					2	
	Total.....	63	31	15	10	4			1		2	
Kent.....	Males.....	36	15	10	7	2					2	
	Females.....	27	16	5	3	2			1			
	Total.....	1,890	744	768	238	118			11	4	7	
Keweenaw.....	Males.....	950	359	391	127	60			7	3	3	
	Females.....	940	385	377	111	58			4	1	4	
	Total.....	220	12	169	29	7				1	2	
Keweenaw.....	Males.....	120	4	99	14	2				1		
	Females.....	99	8	69	15	5					2	
	Unknown.....	1		1								

BIRTHS, BY COUNTIES, PARENT-NATIVITY, AND BY SEX.

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TABLE 9.—CONTINUED.—*Births by Counties, Parent-nativity, and Sex.*

Counties.	Sex.	Children Born, 1884.	Nativity of Parents of Children Born, 1884.								
			Both Native Born.	Both Foreign Born.	Foreign Father, Na- tive Mother.	Foreign Mother, Na- tive Father.	Mother Unknown.		Father Unknown.		Both Unknown.
							Father.		Mother.		
							Native.	Foreign.	Native.	Foreign.	
Lake	Total.....	100	43	35	13	7	1			1	
	Males.....	49	23	19	7						
	Females.....	51	20	16	6	7	1			1	
Lapeer	Total.....	603	263	166	103	63	1		1	4	2
	Males.....	314	141	82	54	34			1	1	1
	Females.....	288	121	84	49	29	1			3	1
Leelanaw	Unknown.....	1	1								
	Total.....	192	59	87	30	15			1		
	Males.....	101	37	46	10	7			1		
Lenawee	Females.....	91	22	41	20	8					
	Total.....	669	474	78	56	24	5	4	3	2	23
	Males.....	353	257	39	27	13	1	3	1	2	10
Livingston	Females.....	315	216	39	29	11	4	1	2		13
	Unknown.....	1	1								
	Total.....	309	247	22	26	13			1		
Mackinac	Males.....	166	132	10	17	6			1		
	Females.....	143	115	12	9	7					
	Total.....	105	47	35	13	4	1		2		3
Macomb	Males.....	57	25	20	9	1	1				1
	Females.....	46	22	15	4	3			1		1
	Unknown.....	2							1		1
Manistee	Total.....	700	321	217	115	45				1	1
	Males.....	360	161	112	62	24				1	
	Females.....	340	160	106	53	21					1
Manitou	Total.....	712	152	461	52	32		1		2	12
	Males.....	381	89	242	28	15				1	6
	Females.....	331	63	219	24	17		1		1	6
Marquette	Total.....	21	5	7	7	2					
	Males.....	12	3	3	6						
	Females.....	9	2	4	1	2					
Marquette	Total.....	1,074	110	806	102	47			2	5	
	Males.....	574	35	438	51	27			1	2	
	Females.....	500	55	370	51	20			1	3	

TABLE 9.—CONTINUED.—*Births by Counties, Parent-nativity, and Sex.*

		Nativity of Parents of Children Born, 1884.									
Counties.	Sex.	Children Born, 1884.	Both Native Born.	Both Foreign Born.	Foreign Father, Na- tive Mother.	Foreign Mother, Na- tive Father.	Mother Unknown.		Father Unknown.		Both Unknown.
							Father.		Mother.		
							Native.	Foreign.	Native.	Foreign.	
	Total.....	301	104	139	34	20	1	1	1		1
Mason	Males.....	157	50	75	19	10	1	1			1
	Females..		54	64	15	10			1		
	Total.....	375	178	117	52	30					
Mecosta	Males.....	198	87	73	20	18					
	Females..	177	89	44	32	12					
	Total.....	638	101	420	82	23		1	2	3	6
Menominee	Males.....	324	56	214	40	11				1	2
	Females..	314	45	206	42	12		1	2	2	4
	Total.....	196	100	57	21	14			1		3
Midland	Males.....	114	63	27	14	8			1		1
	Females..	82	37	30	7	6					2
	Total.....	120	44	49	15	10			1		1
Missaukee	Males.....	50	22	18	5	4					1
	Females..	70	22	31	10	6			1		
	Total.....	633	470	74	57	25			3		4
Monroe	Males.....	329	241	38	38	10			1		1
	Females..	304	229	36	19	15			2		3
	Total.....	610	371	138	60	29					12
Montcalm	Males.....	325	191	81	30	14					9
	Females..	285	180	57	30	15					3
	Total.....	19	5	9	2	3					
Montmorency	Males.....	8	1	4	1	2					
	Females..	11	4	5	1	1					
	Total.....	1,092	257	642	98	73			3	1	18
Muskegon	Males.....	537	124	330	39	36			2		7
	Females..	554	133	312	60	37			1	1	10
	Unknown	1									1
	Total.....	239	133	55	34	14	1		1		1
Newaygo	Males.....	128	73	28	20	7					
	Females..	111	60	27	14	7	1		1		1
	Total.....	572	388	73	53	45	2		3	2	6
Oakland	Males.....	284	198	37	25	21					3
	Females..	286	188	36	28	24	2		3	2	3
	Unknown	2	2								

TABLE 9.—CONTINUED.—*Births by Counties, Parent-nativity, and Sex.*

Counties.	Sex.	Children Born, 1884.	Nativity of Parents of Children Born, 1884.							
			Both Native Born.	Both Foreign Born.	Foreign Father, Na- tive Mother.	Foreign Mother, Na- tive Father.	Mother Unknown.		Father Unknown.	
							Father.		Mother.	
							Native.	Foreign.	Native.	Foreign.
Oceana.....	Total.....	303	163	81	26	28			1	
	Males.....	166	87	48	14	16				
	Females..	135	76	33	11	12			1	
	Unknown..	2			1					
Ogemaw.....	Total.....	43	17	19	3	2				1
	Males.....	24	8	11	2	2				
	Females..	19	9	8	1					1
Ontonagon.....	Total.....	57	15	26	11	2			3	
	Males.....	33	7	16	7	1			2	
	Females..	23	8	10	3	1			1	
	Unknown..	1			1					
Osceola.....	Total.....	348	172	107	42	23	2	1		1
	Males.....	172	86	46	22	15	2	1		
	Females..	176	86	61	20	8				1
Oscoda.....	Total.....	24	14	4	1	5				
	Males.....	10	6	1	1	2				
	Females..	14	8	3		3				
Otsego.....	Total.....	67	36	23	5	3				
	Males.....	40	25	11	1	3				
	Females..	27	11	12	4					
Ottawa.....	Total.....	911	354	372	98	62	3	1	7	1
	Males.....	465	184	194	47	27	2	1	5	
	Females..	446	170	178	51	35	1		2	1
Presque Isle...	Total.....	150	12	127	11					
	Males.....	77	6	65	6					
	Females..	73	6	62	5					
Roscommon....	Total.....	36	11	18	5	2				
	Males.....	20	7	9	3	1				
	Females..	16	4	9	2	1				
Saginaw.....	Total.....	1,761	543	740	258	148			3	3
	Males.....	926	304	377	136	71			2	2
	Females..	829	239	362	122	77			1	1
	Unknown..	6		1						

TABLE 9.—CONTINUED.—*Births by Counties, Parent-nativity, and Sex.*

Counties.	Sex.	Children Born, 1884.	Nativity of Parents of Children Born, 1884.								
			Both Native Born.	Both Foreign Born.	Foreign Father, Na- tive Mother.	Foreign Mother, Na- tive Father.	Mother Unknown.		Father Unknown.		Both Unknown.
							Father.		Mother.		
							Native.	Foreign.	Native.	Foreign.	
Sanilac	Total	754	99	460	128	62	1	1	1	2	
	Males	302	52	217	58	31	1		1	2	
	Females	301	46	243	70	31		1			
	Unknown	1	1								
Schoolcraft	Total	25	7	16	1	1					
	Males	14	4	10							
	Females	11	3	6	1	1					
Shiawassee	Total	444	277	74	53	35			2		3
	Males	218	135	42	26	15					
	Females	225	141	32	27	20			2		3
	Unknown	1	1								
St. Clair	Total	1,044	358	866	178	127	2		3	1	9
	Males	550	191	202	88	61	1		1		6
	Females	492	167	163	90	66	1		2	1	2
	Unknown	2		1							1
St. Joseph	Total	462	327	65	29	18	2	2		1	18
	Males	245	167	31	18	16	2			1	10
	Females	214	159	34	11	2		2			6
	Unknown	3	1								2
Tuscola	Total	686	308	186	104	81	2	1	3		1
	Males	351	162	92	50	43	1		2		1
	Females	333	146	92	54	38	1	1	1		
	Unknown	2		2							
Van Buren	Total	424	349	25	29	14			4		3
	Males	214	173	11	14	11			4		1
	Females	210	176	14	15	3					2
Washtenaw	Total	576	301	119	92	49		1	1	2	11
	Males	307	162	61	48	29		1	1	1	4
	Females	269	139	58	44	20					7
Wayne	Total	6,222	1,809	2,931	744	403			23	17	235
	Males	3,327	967	1,546	416	226			11	10	151
	Females	2,893	842	1,385	328	177			12	7	142
	Unknown	2									2
Wexford	Total	253	122	86	28	15	1				1
	Males	117	61	37	13	6					
	Females	136	61	49	15	9	1				1

TWIN CHILDREN, 1884.

In 1884, there were 900 twin children returned for the year, of which number 482 were males and 418 were females, or there were 115 males to every 100 females. With the exception of the year 1883, when there were 932 twin children, this is the largest number ever recorded in this State. In 156 cases both children were males, in 124 cases both children were females, and in 170 cases there was one child of each sex. The average proportion of the sexes among twin births for the ten years 1874-1883 was 98 males to 100 females. This is a smaller proportion of males than is found among all children born. In Table 10 the months are arranged in order, those months first in which occurred the largest number of twin births. As in 1883, the months of May and September stand first and second in the order.

TABLE 10.—*Exhibiting, by Sex, the Number of Pairs of Twins and Twin Children returned for the Year 1884.*

Year and Months, 1884.		Number of Twin Children, 1884.				Number of Pairs of Twins, 1884.					
		Total.	Males.	Females.	Males to 100 Females.	Total.	Males.	Females.	One of each Sex.	Males to 100, one of each Sex.	Males to 100 Females.
Year, 1884.....		900	482	418	115	450	156	124	170	92	128
More than the av. No. of Twins.	May.....	114	60	54	111	57	16	13	28	57	123
	September.....	96	45	51	88	48	14	17	17	82	82
	April.....	94	62	32	191	47	22	7	18	122	314
	January.....	92	40	52	77	46	10	16	20	50	62
Av. per month.....		74	40	34	118	37	13	10	14	93	130
Less than the av. No. of twins.	March.....	72	43	29	148	36	15	8	13	115	167
	February.....	70	35	35	100	35	8	8	19	42	100
	October.....	70	41	29	141	35	15	9	11	136	167
	December.....	68	36	32	112	34	15	13	6	250	115
	November.....	66	37	29	128	33	12	8	13	92	150
	August.....	56	34	22	155	28	13	7	8	162	186
	July.....	52	28	24	117	26	8	6	12	67	117
June.....		50	21	29	72	25	8	12	5	160	67

* Includes 45 still-born, 3 black and 3 mulatto.

† Includes 24 still-born, 3 black and 3 mulatto.

The nativity of the parents of twins for the year 1884 may be studied in Table 11. The percentage of those born of native-born parents was smaller than in any year of the previous ten, with the exception of the years 1875 and 1882, the average for the ten years 1874-1883 being 43.51, which is 4.18 per cent greater than that for 1884. For the foreign-born, the percentage was larger than for any year of the previous ten and 6.72 per cent larger than the average for ten years. Comparing the lines "One or Both Native," and "One or Both Foreign," in Tables 7 and 11 it is seen that there is a much larger twin birth-rate among the foreign-born parents than among the native. The evidence of former years also proves this fact.

TABLE 11.—*Parent-nativity of Twins returned in Michigan for 1884.*

Nativity of Parents of Twins, 1884.	Pairs of Twins, 1884.							
	Number.				Per cent of each Parent-nativity to Total of all Nativities.			
	Total.	Males.	Females.	One of each.	Total.	Males.	Females.	One of each.
All nativities.....	450	156	124	170	100.00	100.00	100.00	100.00
Both native-born.....	177	62	41	74	39.33	39.74	33.06	43.53
Both foreign-born.....	195	74	59	62	43.33	47.44	47.58	36.47
Foreign father and native mother....	41	14	15	12	9.11	8.97	12.10	7.06
Foreign mother and native father....	31	5	6	20	6.89	3.21	4.84	11.76
Unknown mother, father native.....								
Unknown mother, father foreign.....								
Unknown father, mother native.....								
Unknown father, mother foreign.....								
Both unknown.....	6	1	3	2	1.34	.64	2.42	1.18
One or both native.....	249	81	62	106	55.33	51.92	50.00	62.35
One or both foreign.....	267	93	80	94	59.33	59.62	64.52	55.29

The proportion of twin births, by nativity and color of mothers, for each of the years 1882-1884, and the average for ten years 1874-1883, is shown in Table 12. In the average for ten years the per cent of mothers who bore twins to all mothers is larger among the foreign-born than among any other nativity or among mothers of all nativities. The per cent among the mulatto mothers is greatly in excess of that among other colors.

TABLE 12.—*By Nativity and Color of Mothers, the Number and Proportion of Twin Births returned for the Years 1882, 1883, 1884, and the average for Ten Years, 1874-1883.*

Nativity and Color of Mothers of Twins, 1882-1884.	1882.			1883.			1884.			Av. for 10 Years, 1874-1883.		
	No. of Pairs of Twins.	Whole Number of Mothers, including those of Twins.	Per Cent of Births of Twins to all Mothers.	No. of Pairs of Twins.	Whole Number of Mothers, including those of Twins.	Per Cent of Births of Twins to all Mothers.	No. of Pairs of Twins.	Whole Number of Mothers, including those of Twins.	Per Cent of Births of Twins to all Mothers.	No. of Pairs of Twins.	Whole Number of Mothers, including those of Twins.	Per Cent of Births of Twins to all Mothers.
Mothers of all Colors and all Nativities.....	430	36,578	1.18	466	40,325	1.16	450	39,950	1.13	403	34,381	1.17
All Native-born mothers....	220	20,504	1.07	258	22,323	1.16	218	21,937	.99	223	19,491	1.14
All Foreign-born mothers....	199	15,252	1.30	195	17,138	1.14	226	17,159	1.32	171	13,927	1.23
Mothers of Unknown Nativities.....	11	822	1.34	13	864	1.50	6	854	.70	9	963	.93
White.....	424	36,225	1.17	459	39,953	1.15	444	39,576	1.12	397	33,941	1.17
Black.....	2	131	1.53	3	116	2.50	3	106	2.83	2	124	1.61
Mulatto.....	3	103	2.91	3	113	2.66	3	98	3.06	2	89	2.25
Indian.....	1	117	.85	1	126	.71	.....	135	.....	1	130	.77
Unknown.....	.....	2	.....	.....	17	.....	.....	35	.....	1	97	1.03
Black and Mulatto.....	5	234	2.14	6	229	2.62	6	204	2.94	4	213	1.88

Four cases of triplets were returned for 1884, being five less than the number in 1883. The counties so favored were Bay, Osceola, Shiawassee, and St. Clair. There were twelve females all white. The nativity of the parents was equally divided between the native and foreign.

TABLE 13.—*Exhibiting certain Details concerning Triplet Children returned for the Year 1884.*

Counties.	Triplet Children, 1884.					Parents of Triplets, 1884.		
	Month of Birth, 1884.	Color.	Sex.			Birthplace of Father.	Birthplace of Mother.	Occupation of Father.
			Males.	Females.	Unk.			
Bay.....	April.....	White.....	.....	3	.....	Germany.....	Germany..	Tailor.
Osceola.....	November.....	White.....	.....	3	.....	Michigan.....	Michigan..	Farmer.
Shiawassee.....	December.....	White.....	.....	3	.....	Indiana.....	New York..	Laborer.
St. Clair.....	February.....	White.....	.....	3	.....	Germany.....	Germany..	Farmer.

In Table 14 may be seen the number of pairs of twins and sets of triplets returned for the fourteen years 1871-1884, also the average for those years.

TABLE 14.—*Plural Births,—Fourteen Years,—1871-1884.*

Years.	Pairs of Twins.	Cases of Triplets.	No. of Births to One Pair of Twins.	No. of Births to One Case of Triplets.
1871.....	298	3	87	8,064
1872.....	342	5	82	5,500
1873.....	430	4	82	8,632
1874.....	408	2	76	15,526
1875.....	370	1	86	31,958
1876.....	428	8	80	4,279
1877.....	367	.....	91	23,305
1878.....	427	3	82	11,721
1879.....	402	2	85	17,061
1880.....	358	5	99	7,065
1881.....	372	5	93	6,950
1882.....	430	9	86	4,114
1883.....	466	9	88	4,594
1884.....	450	4	90	10,102
Average.....	386	4	86	12,116

Table 15 shows the nativity of the parents of plural births for the fourteen years 1871-1884, and the average for those years. For 1884, the percentage of foreign-born and mixed parentage was greater than the average, while the percentage of native-born and unknown parentage was less than the average.

TABLE 15.—*Parentage of Plural Births,—Fourteen Years,—1871-1884.*

Years.	Totals.	Native-born.		Foreign-born.		Mixed.		Unknown.	
		Nos.	Percent-ages.	Nos.	Percent-ages.	Nos.	Percent-ages.	Nos.	Percent-ages.
1871.....	605	270	44.63	215	35.54	48	7.93	72	11.90
1872.....	699	307	43.92	272	38.91	87	12.45	33	4.72
1873.....	852	390	45.78	330	38.73	120	14.09	12	1.40
1874.....	822	329	40.03	321	39.05	140	17.03	32	3.89
1875.....	748	271	36.47	318	42.80	124	16.69	30	4.04
1876.....	880	391	44.43	322	36.59	143	16.25	24	2.73
1877.....	734	334	45.51	252	34.33	122	16.62	26	3.54
1878.....	863	402	46.58	291	33.72	142	16.45	28	3.25
1879.....	810	374	46.17	236	29.14	188	23.21	12	1.48
1880.....	731	341	46.65	276	37.75	104	14.23	10	1.37
1881.....	759	355	46.77	270	35.57	124	16.34	10	1.32
1882.....	887	350	39.46	358	40.36	153	17.25	26	2.93
1883.....	959	417	43.48	364	37.96	150	15.64	28	2.92
1884.....	912	360	39.47	396	43.42	144	15.79	12	1.32
Average.....	804	349	43.53	301	37.42	128	15.71	25	3.34

STILL-BIRTHS, 1884.

The number of still-births returned for 1884 is considerably larger than for any previous year, the number being 919, while the average for ten years 1874-1883 was only 711. In 1884, 2.27 per cent of all the births returned were still-born, and 2.26 per cent of all the mothers, who bore children during the year, gave birth to still-born children. These per cents are somewhat larger than the average for ten years.

Table 17 is interesting in showing the influence of parent-nativity upon the births of still-born children. According to the evidence here presented, the foreign-born mothers produce a larger percentage of still-born children than the native-born mothers, not only for each year in the table, but also for the average. Among the different races in the average, the percentage of still-born children is greatest among the African race and smallest among the Indians.

TABLE 16.—*The Relation of Still-births to all Births, and the Relation of Mothers of Still-born Children to all Mothers Returned for each of the Years 1881, 1882, 1883, 1884, and the Average for Ten Years 1874-1883.*

Children and Mothers.	Total Births and Still-births.				
	1881.	1882.	1883.	1884.	Av. for 10 Years, 1874-1883.
All children born.....	34,749	37,023	40,809	40,408	34,733
Still-born children.....	691	792	884	919	711
Per cent of still-born to total.....	1.90	2.14	2.17	2.27	2.04
All mothers.....	34,367	36,578	40,325	39,950	34,361
Mothers of still-born children.....	678	771	863	904	691
Per cent of mothers of still-born children to all mothers.....	1.97	2.11	2.14	2.26	2.01

TABLE 17.—*By Nativity and Color, the Number and Proportion of Mothers having Still-births, for the years 1882, 1883, 1884, and the average for ten years 1874-1883.*

Nativity and Color of Mothers.	1882.			1883.			1884.			Av. for 10 Years, 1874-1883.		
	Mothers having Still-births.	Whole No. of Mothers, including those of Still-births.	Per Cent of Mothers of Still-births to all Mothers.	Mothers having Still-births.	Whole No. of Mothers, including those of Still-births.	Per Cent of Mothers of Still-births to all Mothers.	Mothers having Still-births.	Whole No. of Mothers, including those of Still-births.	Per Cent of Mothers of Still-births to all Mothers.	Mothers having Still-births.	Whole No. of Mothers, including those of Still-births.	Per Cent of Mothers of Still-births to all Mothers.
Mothers of all colors and all nativities.....	771	36,578	2.11	863	40,325	2.14	904	39,950	2.26	691	34,381	2.01
All native-born mothers.....	358	20,504	1.75	398	22,323	1.78	373	21,937	1.70	333	19,491	1.71
All foreign-born mothers.....	306	15,252	2.01	334	17,138	1.95	348	17,159	2.03	277	13,927	1.99
Mothers of unknown nativities.....	107	822	13.02	131	864	15.16	183	854	21.43	81	963	8.41
White.....	760	36,225	2.10	846	39,953	2.12	858	39,576	2.17	672	33,941	1.98
Black.....	9	131	6.87	2	116	1.72	8	106	7.55	4	124	3.23
Mulatto.....	1	103	.97	1	113	.88	3	98	3.06	3	89	3.37
Indian.....	1	117	.85	1	126	.79	6	135	4.44	1	130	.77
Unknown.....		2		13	17	76.47	29	35	82.86	11	97	11.34
Black and Mulatto.....	10	234	4.27	3	229	1.31	11	204	5.39	7	213	3.29

TABLE 18.—*Parent-nativity of Still-born Children, returned for the Year 1884.*

Nativity of Parents of Still-born Children, 1884.	Still-born Children, 1884.							
	Number.				Per Cent of each Parent-nativity to Total of all Nativities.			
	Total.	Males.	Females.	Unk.	Total.	Males.	Females.	Unk.
All nativities.....	919	541	324	54	100.00	100.00	100.00	100.00
Both native-born.....	310	180	120	10	33.73	33.27	37.04	18.53
Both foreign-born.....	311	185	117	9	33.84	34.20	36.11	16.67
Foreign father and native mother.....	66	45	18	3	7.18	8.32	5.55	5.55
Foreign mother and native father.....	41	26	15	.....	4.46	4.81	4.63	.....
Unknown mother, father native.....	7	4	2	1	.76	.74	.62	1.85
Unknown mother, father foreign.....	2	2	.....	.....	.22	.37	.....	.....
Unknown father, mother native.....	6	3	3	.....	.66	.55	.93	.....
Unknown father, mother foreign.....	1	1	.....	.....	.11	.18	.....	.....
Both unknown.....	175	95	49	31	19.04	17.56	15.12	57.41
One or both native.....	430	268	158	14	46.79	47.69	48.77	25.93
One or both foreign.....	421	259	150	12	45.81	47.87	46.30	23.23

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TABLE 19.—*Exhibiting, by Sex, the Parent-nativity, and by Sex and Months, the Number of Still-births returned in Michigan for the Year 1884.*

Sex of Still-births, 1884.	Year, 1884.	Months, 1884.												Nativity of Parents of Still-births, 1884.									
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Native.	Foreign.	Foreign Father and Na- tive Mother.	Foreign Mother and Native Father.	Mother Unknown.		Father Unknown.		Both Unknown.
																			Native.	Foreign.	Native.	Foreign.	
Total	4919	83	61	80	58	98	67	67	79	76	71	81	96	42	310	311	66	41	7	2	6	1	175
Males	3541	49	33	47	30	51	37	39	52	47	45	53	58	....	180	185	45	29	4	2	3	1	95
Females.....	324	31	28	29	24	38	24	22	22	23	23	24	38	....	130	117	18	15	2	....	3	....	49
Unknown.....	354	3	2	4	4	9	6	6	5	6	3	4	....	22	10	9	3	....	1	....	....	....	31

^a Includes 13 pairs and 11 half-pairs male twins; 2 pairs and 8 half-pairs female twins; 8 male twins and 13 female twins of one of each sex.

^b Includes 5 black, 1 mulatto, 3 Indian, and 2 illegitimate.

^c Includes 3 black, 2 mulatto, 3 Indian, and 2 illegitimate.

^d Includes 29 color unknown.

Table 20 presents a comparison in regard to the sex of children born alive, still-born, and illegitimates, in 1883, 1884, and during the previous twelve years. Among the children born alive, the average in this State has been 108 males to 100 females, but among still-births male children are greatly in excess. The records in regard to illegitimate births hardly afford sufficient data for satisfactory comparisons.

TABLE 20.—*Births,—Proportion of Males to Females,—Fourteen Years.*

		1883.	1884.	Previous 12 Years.
Born alive.....	{ Males.....	20,688	20,367	201,866
	{ Females.....	19,204	19,060	187,023
	{ Unknown.....	88	82	867
Males to 100 females.....		108	107	108
Still-born.....	{ Males.....	513	541	3,839
	{ Females.....	328	324	2,723
	{ Unknown.....	43	54	397
Males to 100 females.....		157	167	141
Illegitimate.....	{ Males.....	155	101	1,702
	{ Females.....	153	92	1,577
	{ Unknown.....	3	.....	33
Males to 100 females.....		101	110	106

ILLEGITIMATE CHILDREN, 1884.

For the year 1884, there were returned to this department 193 illegitimate children as having been born within the year. This is at the rate of five in every thousand children born and is a smaller percentage than is shown for any year since 1870. In 1883, there were 311 illegitimates returned and the great reduction in the number for 1884 can be accounted for by the fact that Wayne county only contributed 49, while in 1883 there were 144. The children born in the "Foundlings' Home" of Detroit have generally been returned as illegitimate, but they were not so returned for 1884, hence the reduction. If these births were added they would make the number about the same as heretofore.

Table 22 shows the nativity and color of mothers of illegitimate children for the years 1882, 1883, 1884, and the average for ten years 1874-1883. In the average for ten years, the per cent of mothers of illegitimates to all mothers is slightly greater among the native-born than among the foreign-born. Among the different races, the per cent of mothers of illegitimate children to all mothers is greatest among the Indians, and least among the white inhabitants.

Table 26 is interesting and valuable, as it shows, by sex, the illegitimate birth-rate among the different races for the year 1884. The largest per cent of illegitimate births to population appears for the blacks and Indians, the smallest for the white inhabitants.

It would certainly be unfair to conclude from the above showing that the native-born women of Michigan were more immoral than the foreign-born. While it is true that, for 1884, 53.37 per cent of the illegitimate births were of native-born mothers to 35.75

per cent of foreign-born mothers, still, a comparison of rates based on the data of the population in the two classes, makes a different showing. According to the census of 1884, there were 291,906 native-born females in Michigan between the ages of 15 and 45 to 125,378 foreign-born females of child-bearing age. Calculating the birth-rates to each 10,000 mothers of each class, we have 3.91 for the native-born to 6.88 for the foreign-born. That is to say, in every ten thousand native-born females in Michigan, in 1884, there were four illegitimate births, and in every ten thousand foreign-born females there were six illegitimate births. Considering the fact that the native-born females include nearly all the Indians and those of African descent, among whom the illegitimate birth-rate is shown to be greater than among other races, the showing is certainly favorable for the native-born whites.

TABLE 21.—*The Relation of Illegitimate Children to all Children Born for the Years 1881-1884, and the Average for Ten Years 1874-1883.*

Children and Mothers.	Total Births and Illegitimates.				
	1881.	1882.	1883.	1884.	Average for 10 Years, 1874-1883.
All children born.....	34,749	37,026	40,809	40,406	34,736
Illegitimate children.....	382	301	311	193	292
Per cent of illegitimates to total.....	1.10	.81	.76	.48	.84
All mothers.....	34,367	36,578	40,325	39,950	34,331
Mothers of illegitimate children.....	378	299	306	192	290
Per cent of mothers of illegitimates to all mothers.....	1.10	.82	.76	.48	.84

TABLE 22.—By Nativity and Color, the Number and Proportion of Mothers of Illegitimates Returned for the Years 1882-1884, and the Average for Ten Years 1874-1883.

Nativity and Color of Mothers.	1882.			1883.			1884.			Av. for 10 Years, 1874-1883.		
	Mothers having il- legitimates.	Whole Number of Mothers, includ- ing those of Ille- gitimates.	Per Cent of Moth- ers of Illegitimates to all Mothers.	Mothers having il- legitimates.	Whole Number of Mothers, includ- ing those of Ille- gitimates.	Per Cent of Moth- ers of Illegitimates to all Mothers.	Mothers having il- legitimates.	Whole Number of Mothers, includ- ing those of Ille- gitimates.	Per Cent of Moth- ers of Illegitimates to all Mothers.	Mothers having il- legitimates.	Whole Number of Mothers, includ- ing those of Ille- gitimates.	Per Cent of Moth- ers of Illegitimates to all Mothers.
Mothers of all colors and all nativities.....	399	36,578	.82	306	40,325	.76	192	39,950	.48	290	34,381	.84
All native-born mothers.....	143	20,504	.70	135	22,323	.60	103	21,937	.47	140	19,491	.72
All foreign-born mothers....	77	15,252	.50	86	17,138	.50	69	17,159	.40	71	13,927	.51
Mothers of unknown nativ- ities.....	79	822	9.61	85	864	9.84	20	854	2.34	79	963	8.20
White	275	36,325	.76	289	39,953	.72	182	39,576	.46	269	33,941	.79
Black	9	131	6.87	5	116	4.31	4	106	3.77	6	124	4.84
Mulatto	4	103	3.88	5	113	4.42	1	98	1.02	4	89	4.49
Indian	11	117	9.40	7	126	5.55	5	135	3.70	10	130	7.69
Unknown		2			17			35		1	97	1.08
Black and Mulatto	13	234	5.56	10	229	4.36	5	204	2.45	10	213	4.69

VITAL STATISTICS OF MICHIGAN, 1884.

TABLE 93.—*Exhibiting, by Sex, the Number by Months, and the Nativity of Parents of Illegitimates, returned for the Year 1884.*

Sex of Illegitimates, 1884.	Year, 1884.	Months, 1884.												Nativity of Mothers of Illegitimates, 1884.						Nativity of Fathers of Illegitimates, 1884.							
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.	Native.			Foreign.			Total.	Native.			Foreign.		
															Born in Michigan.			Born in Canada.				Born in Michigan.			Born in Canada.		
															Born in other States.	Born in other States.	Unknown.	Born in other Countries.	Born in other Countries.	Unknown.		Born in other States.	Born in other States.	Unknown.	Born in other Countries.	Born in other Countries.	Unknown.
Totals.....	a 183	15	16	13	13	24	24	16	15	16	12	11	18	103	72	31	69	29	40	21	36	25	11	30	11	19	127
Males.....	b 101	8	5	5	10	14	9	8	8	9	9	6	10	55	39	16	39	15	24	7	19	13	6	19	9	10	63
Females.....	c 92	7	11	8	3	10	15	8	7	7	3	5	8	48	33	15	30	14	16	14	17	12	5	11	2	9	64

a Includes 2 males, and 2 females still-born; 1 pair female twins.

b Includes 1 Black, 1 Mulatto, and 2 Indian.

c Includes 4 Black, and 3 Indian.

TABLE 24.—*Illegitimate Births Registered in Fourteen Years, 1871-1884.*

Years.	Children Born out of Wedlock.		Years.	Children Born out of Wedlock.	
	Number.	To every 1,000 Births.		Number.	To every 1,000 Births.
1871.....	183	7.04	1878.....	202	5.74
1872.....	199	7.11	1879.....	292	8.56
1873.....	316	9.13	1880.....	425	12.08
1874.....	236	7.57	1881.....	332	10.99
1875.....	193	6.04	1882.....	301	8.13
1876.....	266	7.77	1883.....	311	7.63
1877.....	316	9.46	1884.....	193	4.73
Average 14 years.....				273	8.00

TABLE 25.—*Illegitimate Births,—Nativity of Mothers,—14 Years.*

Years.	Total.	Native.		Foreign.		Unknown.	
		Number.	Per cent.	Number.	Per cent.	Number.	Per cent.
1871.....	183	75	40.98	74	40.44	34	18.58
1872.....	199	101	50.76	65	32.66	33	16.58
1873.....	316	128	40.51	95	30.06	93	29.43
1874.....	236	110	46.61	93	39.41	33	13.98
1875.....	193	96	49.74	32	16.58	65	33.68
1876.....	266	173	65.01	53	19.92	40	15.04
1877.....	316	161	50.93	80	25.32	75	23.73
1878.....	202	114	56.44	34	16.83	54	26.73
1879.....	292	137	46.92	90	30.82	65	22.26
1880.....	425	148	34.82	73	17.18	204	48.00
1881.....	332	187	48.95	98	25.65	97	25.40
1882.....	301	145	48.17	77	25.58	79	26.25
1883.....	311	137	44.06	86	27.65	88	28.30
1884.....	193	103	53.37	69	35.75	21	10.88
Average.....	273	130	47.62	73	26.74	70	25.64

TABLE 26.—*Exhibiting, by Color and Sex, the Population of 1884, the Number of Illegitimates returned for the Year 1884, and the Per Cent of such Children to Inhabitants.*

Color or Race.	Sex.	Population June 1, 1884, represented by Births in 1884.	Total Illegitimate Births, 1884.	Per Cent of Births to Population.	Per Cent of each Sex to Total of Both Sexes.	Number of Inhabit- ants to one ille- gitimate Child of the same Color.
All colors.....	Total.....	1,849,892	193	.01		9,585
	Males.....	972,086	101	.01	52.33	9,625
	Females.....	877,590	92	.01	47.67	9,539
	Unknown.....	206				
White.....	Total.....	1,826,740	182	.01		10,087
	Males.....	960,065	97	.01	53.30	9,898
	Females.....	866,665	85	.01	46.70	10,196
	Unknown.....	10				
Black.....	Total.....	6,853	5	.07		1,371
	Males.....	3,691	1	.03	20.00	3,691
	Females.....	3,162	4	.13	80.00	791
Mulatto.....	Total.....	8,267	1	.01		8,267
	Males.....	4,211	1	.02	100.00	4,211
	Females.....	4,056				
Indian.....	Total.....	6,879	5	.07		1,376
	Males.....	3,559	2	.06	40.00	1,780
	Females.....	3,320	3	.09	60.00	1,107
Unknown.....	Total.....	1,083				
	Males.....	500				
	Females.....	387				
	Unknown.....	196				
Black and Mulatto.....	Total.....	15,120	6	.04		2,520
	Males.....	7,902	2	.03	33.33	3,951
	Females.....	7,218	4	.06	66.67	1,805

• Includes 70 Asiatic males.

TABLE 27.—*Exhibiting, by Counties, the Number of Pairs of Twins and the Number of Illegitimate and Still-born Children returned for the year 1884.*

State and Counties.	Number of Pairs of Twins Born in 1884.	Number of Illegitimate Children Born in 1884.	Number of Still-borns in 1884.	Counties.	Number of Pairs of Twins Born in 1884.	Number of Illegitimate Children Born in 1884.	Number of Still-borns in 1884.
State	450	193	919	Isabella	6	2	6
Alcona			1	Jackson	6	2	11
Allegan	8	1	5	Kalamazoo	3	1	8
Alpena	6		4	Kalkaska	2		2
Antrim	2		5	Kent	26	1	35
Arenac	4	1	3	Keweenaw	2	1	6
Baraga	1		1	Lake	1		3
Barry	3	1	5	Lapeer	7	6	10
Bay	16	4	21	Leelanaw	1	2	5
Benzie			3	Lenawee	7	3	19
Berrien	9	6	17	Livingston	5	1	3
Branch	5		10	Mackinac			1
Calhoun	3	6	33	Macomb	11		17
Cass	3	1	10	Manistee	11	5	37
Charlevoix		1	3	Marquette	13	14	40
Cheboygan		1	7	Mason	3	2	7
Chippewa	2	1	1	Mecosta	6	1	6
Clare	1	1	3	Menominee	11	1	11
Clinton	7	3	3	Midland	1		3
Crawford	3			Missaukee	1	1	7
Delta	3		4	Monroe	8	2	13
Eaton	8	3	15	Montcalm	8	2	23
Emmet		4	3	Montmorency			1
Genesee	10	2	13	Muskegon	13	2	20
Gladwin	1			Nawaygo	5	1	5
Grand Traverse	1	1	5	Oakland	5	6	7
Gratiot	7	4	7	Oceana	7		4
Hillsdale	2		7	Ogemaw	1	1	1
Houghton	10	6	16	Ontonagon	1		2
Huron	4	3	30	Osceola	4	1	7
Ingham	7	2	7	Oscoda	1		1
Ionia	5	1	8	Otsego			3
Iosco	2		3	Ottawa	10	5	7
				Presque Isle			

VITAL STATISTICS OF MICHIGAN, 1884.

TABLE 27.—CONTINUED.—*Births 1884.*

Counties.	Number of Pairs of Twins Born in 1884.	Number of Illegitimate Children Born in 1884.	Number of Still-births in 1884.	Counties.	Number of Pairs of Twins Born in 1884.	Number of Illegitimate Children Born in 1884.	Number of Still-births in 1884.
Roscommon	1		2	St. Joseph.....	4		15
Saginaw	22	3	41	Tuscola.....	7	5	14
Sanilac.....		4	21	Van Buren.....	2	4	8
Schoolcraft.....	1		2	Washtenaw.....	6	2	12
Shiawassee.....	4	1	1	Wayne.....	70	49	175
St. Clair.....	10	8	27	Wexford.....	4	1	2

TABLE 28.—*Townships in which it was reported there were no births in 1884.*

Counties.	Townships—No Births in 1884.	Population in 1884.		
		Total.	Males.	Females.
Total.....		4,561	2,189	1,372
Arenac.....	Whitney.....	319	227	92
Berrien.....	Union.....			
Gladwin.....	Buckeye.....	102	63	39
Kalkaska.....	{ Cold Springs.....	123	68	60
	{ Glade.....	42	25	17
Marquette.....	Richmond.....	370	205	165
Montmorency.....	Briley.....	228	125	101
Newaygo.....	{ Beaver.....	300	177	123
	{ Goodwell.....	422	290	132
Oceana.....	Colfax.....	128	65	63
Ogemaw.....	{ Damon.....	260	138	122
	{ Edwards.....	158	88	70
	{ Foster.....	299	157	142
	{ Hill.....	30	20	10
Ontonagon.....	Carp Lake.....	1,117	1,069	48
Osego.....	{ Charlton.....	208	169	39
	{ Hayes.....	201	110	91
Roscommon.....	Gerrish.....	251	193	58

TABLE 29.—*Extending the Counties and Townships from which no returns of births in 1902 were received.*

Counties.	Townships from which no Returns of Births were received for 1884.	Population, June 1, 1884.			White.			Black and Mulatto.			Indian.			Unknown.			Native.			Foreign.			Unknown.		
		Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.
Total.....		3,760	2,328	1,438	3,740	2,311	1,429	3	1	2	21	15	6	2	1	1	1,830	1,011	819	1,841	1,206	575	95	51	44
Chippewa....	McMillan....	955	607	348	932	606	346	3	1	2							291	155	106	694	452	242			
Crawford....	Grayling....	846	477	369	846	477	369										514	296	248	244	164	80	88	47	41
Gladwin....	Billings....	83	50	33	83	50	33										59	33	26	24	17	7			
Ogemaw....	Cumming....	162	90	72	162	90	72										60	29	31	102	61	41			
Rosecommon..	Higgins....	851	508	343	851	508	343										529	276	253	318	220	59	4	3	1
Schoolcraft..	(Burt.....	326	208	98	313	222	91										107	77	30	227	160	67	2	1	1
	(Thompson...	533	358	175	533	358	175				21	15	6	2	1	1	300	175	125	232	183	49	1		1

MARRIAGES, 1884.

A law of the State requires that all persons solemnizing marriages shall make a record of each marriage and within ninety days thereafter, deliver to the clerk of the county in which such marriage took place, a certified copy of such record.

As shown by these records, the number of marriages solemnized in Michigan during the year 1884 was 15,002, a number less by 1,418 than was originally returned for 1883. This marked decrease was undoubtedly in a great measure due to the "hard times" which prevailed during 1884, and perhaps also to the neglect of persons solemnizing marriages to comply with the law which requires a record of the same to be filed.

The average annual number of marriages, as first returned for the ten years 1874-1883 was 13,100. The average annual number for the same period of years, when the marriages are corrected for additional returns up to Nov. 11, 1885, was 13,950, a difference of 850.

The number of marriages in 1884 to every thousand of the population was 8.09; that is to say, of every thousand of the inhabitants at all ages, sixteen were married.

The average number of marriages for each of specified periods of time, during the year 1884, was as follows:

Total number of marriages.....	15,002
Average number per quarter.....	3,751
month.....	1,250
week.....	289
day.....	41

Table 30 shows the number of marriages solemnized in different quarters of the year, for each of the years 1881-1884, and the average for ten years 1874-1883. From this it will be seen that the last quarter of the year shows the greatest number of marriages; this has been the case without exception for the past ten years.

The order by number of marriages for the different quarters of 1884 was the same as shown in the average for the past ten years, and was as follows: fourth, third, first, second.

TABLE 30.—Marriages by Quarters of the Year for each of the Years 1881-1884, and the Average for Ten Years 1874-1883, Corrected for Additional Returns up to November 11, 1885.

Totals and Months with which Quarters end.	1881.		1882.		1883.		1884.		Average for 10 Years, 1874-1883.	
	Num- ber.	Per Cent.	Num- ber.	Per Cent.	Num- ber.	Per Cent.	Num- ber.	Per Cent.	Num- ber.	Per Cent.
Totals	15,894	100.00	16,796	100.00	16,979	100.00	15,002	100.00	13,960	100.00
March	3,482	21.91	3,643	21.69	3,734	21.99	3,626	24.17	3,131	22.44
June	3,489	21.95	3,739	22.26	4,001	23.57	3,547	23.64	3,059	21.98
September	3,820	24.03	4,005	23.84	4,036	23.77	3,652	24.34	3,330	23.87
December	5,100	32.09	5,308	32.14	5,201	30.63	4,173	27.82	4,423	31.71
Unknown	3	.02	11	.07	7	.04	4	.03	7	.05
Average*	3,974	25.00	4,199	25.00	4,245	25.00	3,751	25.00	3,488	25.00

* Including marriages in unknown quarter of the year.

Tables 30 and 31 are very nearly similar, the only difference being that in the former the additional returns have been incorporated, while the latter contains only the marriages as originally returned and published in the reports.

A comparison of the two tables shows just how often persons solemnizing marriages have filed a record of the same, after the time allowed them by law in which to do so had elapsed. It does not, however, show how many have entirely disregarded the law; that is wholly a subject for speculation.

TABLE 31.—Marriages by Quarters of the Year for each of the Years 1881-1884, and the Average for Ten years, 1874-1883, as originally returned and published in Reports.

Totals and Months with which Quarters end.	1881.		1882.		1883.		1884.		Average for 10 Years, 1874-1883.	
	Number.	Per Cent.	Number.	Per Cent.	Number.	Per Cent.	Number.	Per Cent.	Number.	Per Cent.
Totals	14,847	100.00	16,178	100.00	16,420	100.00	15,002	100.00	13,100	100.00
March	3,376	22.74	3,577	22.11	3,696	22.51	3,626	24.17	3,043	23.23
June	3,368	22.69	3,644	22.52	3,966	24.15	3,547	23.64	2,948	22.50
September	3,630	24.45	3,878	23.97	3,954	24.08	3,652	24.34	3,163	24.15
December	4,471	30.11	5,068	31.33	4,798	29.22	4,173	27.82	3,940	30.08
Unknown	2	.01	11	.07	6	.04	4	.03	6	.04
Average*	3,712	25.00	4,045	25.00	4,105	25.00	3,751	25.00	3,275	25.00

* The number in unknown quarter of year included.

VITAL STATISTICS OF MICHIGAN, 1884.

Table 32 shows the marriages by months, arranged in order by number. As in 1883, the largest number of marriages occurred in October, although in the average for ten years the largest number occurred in December; the smallest number occurred in June, the same as in the average for ten years.

The last quarter of the year seems to be the most prolific of marriages, and while there is occasionally an exception, still as a general rule, December, October and November, in the order named, show the greatest number of marriages during the past ten years.

TABLE 32.—*Marriages, by Months, greatest first, for the Years 1882-1884, and the Average for Ten Years 1874-1883. Corrected for Additional returns up to November 11, 1885.*

Order.	1882.			1883.			1884.			Average for 10 Years, 1874-1883.		
	Months.	Num- ber.	Per Cent of Total.	Months.	Num- ber.	Per Cent of Total.	Months.	Num- ber.	Per Cent of Total.	Months.	Num- ber.	Per Cent of Total.
	Total..	16,796	100.00	Total..	16,979	100.00	Total..	15,002	100.00	Total..	13,950	100.00
1	Nov....	1,845	10.99	Oct. ...	1,795	10.57	Oct. ...	1,463	9.75	Dec. ...	1,491	10.62
2	Oct. ...	1,799	10.71	Nov....	1,756	10.34	Nov....	1,422	9.48	Oct. ...	1,472	10.55
3	Dec. ...	1,754	10.44	Dec....	1,650	9.71	April..	1,291	8.60	Nov....	1,470	10.54
4	Sept. ...	1,480	8.81	Sept. ...	1,549	9.13	Dec....	1,238	8.59	Sept. ...	1,250	8.96
5	July...	1,359	8.09	April..	1,428	8.41	Sept. ...	1,257	8.38	July ...	1,119	8.02
6	April..	1,342	7.99	Jan. ...	1,351	7.96	Jan. ...	1,254	8.36	Jan. ...	1,098	7.87
7	Jan....	1,262	7.51	July...	1,324	7.80	Mar....	1,224	8.16	April..	1,085	7.78
8	May...	1,247	7.42	Mar. ...	1,291	7.61	July...	1,222	8.14	Mar....	1,050	7.53
9	Mar....	1,227	7.31	May...	1,291	7.60	Aug....	1,173	7.82	May...	1,030	7.38
10	Aug....	1,166	6.94	June ..	1,282	7.55	May...	1,160	7.73	Feb....	983	7.04
11	Feb....	1,154	6.87	Aug....	1,163	6.85	Feb....	1,148	7.65	Aug....	961	6.89
12	June ..	1,150	6.85	Feb....	1,092	6.43	June ..	1,096	7.31	June ..	944	6.77
	Unk....	11	.07	Unk....	7	.04	Unk....	4	.03	Unk....	7	.05
	Av....*	1,400	8.33	Av....*	1,415	8.33	Av....*	1,250	8.33	Av....*	1,162	8.33

* Includes those for unknown month.

Table 33 gives the number of marriages by months, during the year 1884, as returned from each county in the State.

TABLE 33.—*Distinguishing by Counties and by Months, the Number of Marriages Returned for the Year 1884.*

State and Counties.	Year, 1884.	Months, 1884.												
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
State	15,002	1,254	1,148	1,224	1,291	1,160	1,006	1,222	1,173	1,257	1,463	1,422	1,288	
Alcona	19		2	1	2	1	3	4	1	2	1	2		
Allegan	331	32	30	26	32	25	4	31	21	30	28	40	32	
Alpena	93	8	1	10	9	13	3	10	8	10	19		2	
Antrim	77	6	13	10	1	5	4	3	7	6	9	8	5	
Arenac	20			4	3	2		2	2	2	2		3	
Baraga	17		3	1	1	3		1	2	1	4		1	
Barry	195	12	16	18	19	11	10	12	10	23	30	9	25	
Bay	343	36	23	17	24	36	24	32	18	35	29	36	33	
Benzie	25			8	3	1	4	1		2	2	4		
Berrien	535	35	35	38	44	43	47	39	62	44	45	43	60	
Branch	217	17	13	16	16	11	20	30	28	15	17	20	14	
Calhoun	364	42	23	30	29	30	26	25	17	28	31	49	34	
Cass	229	17	14	26	14	15	10	23	17	15	16	29	33	
Charlevoix	57	4	2	4	3	6	5	7	7	4	9	4	2	
Cheboygan	74	6	5	3	5	3	5	8	8	11	5	8	7	
Chippewa	64	5	5	4	5	3	8	1	4	9	5	5	10	
Clare	49	2	6	3	1	7	1	9	1	7	2	2	8	
Clinton	188	9	11	19	16	17	6	10	17	13	23	29	18	
Crawford	19	1	1	3	2	5	1	2			1	3		
Delta	80	2	8	10	5	3	12	10	10	6	8	2	4	
Eaton	237	12	22	24	13	19	15	17	15	16	22	34	28	
Emmet	57	5	4	1	7	2	10	5	5	2	4	5	7	
Genesee	293	24	31	28	29	22	17	31	24	14	33	21	19	
Gladwin	13	3	1	1		2		1	1	1		2	1	
Grand Traverse	70	5	6	9	12	2	8	7	7	6	3	3	2	
Gratiot	157	7	13	15	22	9	7	13	15	13	10	14	19	
Hillsdale	351	35	23	41	22	21	12	29	21	32	31	29	54	1
Houghton	237	16	18	8	15	13	26	32	30	20	22	22	15	
Huron	129	6	17	9	15	4	9	12	9	12	11	9	16	
Ingham	264	34	19	18	32	14	30	17	22	20	27	24	7	

TABLE 33.—CONTINUED.—*Marriages by Counties, by Months.*

Counties.	Year, 1884.	Months, 1884.											
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Ionia	269	21	23	18	26	24	14	19	21	22	24	34	24
Iosco	98	9	10	6	5	10	13	6	10	6	10	9	4
Isabella	110	10	8	9	7	10	3	8	7	13	16	7	12
Jackson	390	38	32	41	33	28	27	30	19	28	49	37	28
Kalamazoo	283	17	19	24	23	21	31	26	32	21	28	26	15
Kalkaska	26	1		2	3	3	1	1	3	2	3	4	3
Kent	725	79	53	59	69	80	64	73	60	66	65	33	24
Keweenaw	21	1	4		5	1	2	1		2	1	3	1
Lake	37	3	3	2	6	2	2	1	4	2	5	4	3
Lapeer	220	19	13	22	21	10	10	19	15	24	23	20	24
Leelanaw	62	5	8		3	10	7	3	3	5	3	6	9
Lenawee	461	41	45	40	40	29	29	33	32	43	40	50	39
Livingston	136	13	10	15	10	9	4	3	5	10	23	17	17
Mackinac	23		1		2	7	3	3	2	2	1	2	
Macomb	223	23	16	16	26	17	15	20	13	15	15	23	24
Manistee	201	23	14	11	19	13	11	17	19	18	11	28	17
Manitou	3							1				2	
Marquette	169	25	13	12	15	15	19	13	13	16	19	4	5
Mason	118	7	11	5	8	9	6	17	16	14	12	9	4
Mecosta	179	11	19	15	14	12	13	25	13	14	19	7	17
Menominee	155	9	10	4	19	18	16	13	14	15	15	12	10
Midland	79	7	9	7	7	5	5	6	4	9	5	6	9
Missaukee	15	1	3	3	2	2		2	1			1	
Monroe	342	34	19	28	37	23	19	27	22	23	38	39	30
Montcalm	286	31	29	39	22	15	18	19	20	13	27	26	27
Montmorency	4	1					1		2				
Muskegon	395	35	30	30	35	27	27	26	53	34	29	37	32
Newaygo	157	14	15	11	14	12	8	16	15	11	13	12	16
Oakland	290	22	25	27	26	17	13	23	19	23	29	35	31
Oceana	110	9	3	10	13	15	7	7	12	7	8	10	9
Ogemaw	25	5	3	3			2	4		3	1	2	2
Ontonagon	15	1	2	2		3	1	1	1	1	1	2	
Osceola	131	7	8	15	10	14	6	16	7	8	9	14	17
Oscoda	8							2	1	4			1
Otsego	31	6	2	4	3	2	3		3	1	5	1	1
Ottawa	336	11	27	29	34	34	28	27	17	27	35	37	30

TABLE 33.—CONTINUED.—*Marriages by Counties, by Months.*

Counties.	Year, 1884.	Months, 1884.												
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
Presque Isle.....	37	2	2	3	5	6	2	1	1	3	3	9	.....	.....
Roscommon.....	10	.....	2	.....	.....	.....	2	.....	.....	.....	2	1	3	.....
Saginaw.....	574	41	44	38	44	61	60	40	43	55	59	62	27	.....
Sanilac.....	153	16	10	11	11	6	7	14	10	8	22	15	23	.....
Schoolcraft.....	19	3	1	.....	2	.....	2	5	.....	1	1	3	1	.....
Shiawassee.....	176	11	13	19	13	12	10	13	8	16	21	20	20	.....
St. Clair.....	394	26	24	22	38	30	35	33	25	42	41	31	47	.....
St. Joseph.....	290	24	22	27	18	16	19	23	20	22	31	33	35	.....
Tuscola.....	230	16	12	25	25	13	18	14	24	20	23	20	20	.....
Van Buren.....	250	16	19	17	16	16	14	16	21	30	37	22	26	.....
Washtenaw.....	320	38	23	27	29	18	23	15	25	25	40	36	21	.....
Wayne.....	1,494	181	121	105	123	129	134	110	117	124	148	145	107	.....
Wexford.....	118	10	4	16	9	8	15	6	12	10	4	10	14	.....

COLOR OF PERSONS MARRIED.

By an examination of Table 34 it will be seen that the marriage rate for 1884 was greatest among the blacks, next greatest among the whites, and least among the Indians. It may in this connection be stated, that the illegitimate birth-rate has for many years been greatest among the Indians, as may be seen by referring to the tables in Births.

TABLE 34.—*Exhibiting, by Color and by Sex, the Number of Marriages and the Per Cent of Persons Married in 1884 to Population in 1884.*

Color, 1884.	Sex.	Population June 1, 1884, represented by Marriages in 1884.	Number of Marriages, 1884.	Persons Married, 1884.		Per Cent of Persons Married in 1884 to Population June 1, 1884, by Sex and Color.	Number of Persons who had been married to another Color.
				Number.	Per Cent of Total.		
All colors.....	Total.....	*1,853,858	15,002	30,004	100.00	1.62	66
	Males.....	974,424		15,002	50.00	1.54	33
	Females.....	879,028		15,002	50.00	1.71	33
	Unknown.....	206					
White.....	Total.....	1,830,480	14,835	29,674	98.90	1.62	20
	Males.....	962,376		14,835	98.89	1.54	8
	Females.....	868,094		14,839	98.91	1.71	12
	Unknown.....	10					
Black.....	Total.....	6,856	102	197	.66	2.87	19
	Males.....	3,692		102	.68	2.76	13
	Females.....	3,164		95	.63	3.00	6
Mulatto.....	Total.....	8,267	36	70	.23	.85	16
	Males.....	4,211		36	.24	.85	9
	Females.....	4,056		34	.23	.84	7
Indian.....	Total.....	6,900	25	55	.18	.80	11
	Males.....	3,574		25	.17	.70	3
	Females.....	3,326		30	.20	.90	8
One or both unknown.....	Total.....	1,085	4	8	.03	.74	
	Males.....	501		4	.03	.80	
	Females.....	388		4	.03	1.03	
	Unknown.....	196					
Black and Mulatto.....	Total.....	15,123	138	267	.89	1.77	35
	Males.....	7,903		138	.92	1.75	22
	Females.....	7,220		129	.86	1.79	13

* Includes 70 Asiatic males.

Table 35 shows the number of marriages in each county in the State in 1884, and the color of persons married.

TABLE 35.—*Exhibiting for the State and Counties, the Number of Marriages returned for the Year 1884, and the Color of Persons Married in 1884, stated by Couples.*

State and Counties.	Marriages, 1884.	Color of Persons Married, 1884, Stated by Couples.						
		White.	Black.	Mulatto.	Indian.	Female Unk., Male White.	Male Unk., Fe- male White.	Both Unk.
State.....	15,002	a 14,835	b 102	c 36	d 25			4
Alcona.....	19	19						
Allegan.....	331	331						
Alpena.....	93	93						
Antrim.....	77	77						
Arenac.....	20	19			1			
Baraga.....	17	12			5			
Barry.....	195	195						
Bay.....	343	339		1	3			
Benzie.....	25	24		1				
Berrien.....	535	525	9	1				
Branch.....	217	217						
Calhoun.....	364	350	7	5				2
Cass.....	229	219	5	e 5				
Charlevoix.....	57	56	1					
Cheboygan.....	74	74						
Chippewa.....	64	f 58	1		g 5			
Clare.....	49	48						1
Clinton.....	188	187			h 1			
Crawford.....	19	18			1			
Delta.....	80	80						
Eaton.....	237	235	2					
Emmet.....	57	i 52			5			
Genesee.....	293	292	1					
Gladwin.....	13	13						
Grand Traverse.....	70	70						
Gratiot.....	157	157						
Hillsdale.....	351	349	j 2					

a Includes 7 couples, male White, female Indian; and 1 couple, male White, female Mulatto.

b Includes 7 couples, male Black, female White; and 6 couples, male Black, female Mulatto.

c Includes 1 couple, male Mulatto, female Indian; 5 couples, male Mulatto, female Black; and 3 couples, male Mulatto, female White.

d Includes 2 couples, male Indian, female White; and 1 couple, male Indian, female Black.

e 1 couple, male Mulatto, female Indian, and 1 couple, male Mulatto, female Black.

f 4 couples, male White, female Indian.

g 1 couple, male Indian, female White.

h 1 couple, male Indian, female Black.

i 1 couple, male White, female Indian.

j 1 couple, male Black, female White.

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TABLE 35.—CONTINUED.—*Marriages in 1884, by Counties, by Color.*

Counties.	Marriages, 1884.	Color of Persons Married, 1884, Stated by Couples.						
		White.	Black.	Mulatto.	Indian.	Female Unk., Male White.	Male Unk., Fe- male White.	Both Unk.
Houghton.....	237	237						
Huron.....	129	129						
Ingham.....	264	260	a 3	1				
Ionia.....	269	269						
Iosco.....	98	97		1				
Isabella.....	110	b 108	1		1			
Jackson.....	300	308	4					
Kalamazoo.....	283	278	3	c 4				
Kalkaska.....	26	26						
Kent.....	725	715	d 6	e 4				
Keweenaw.....	21	21						
Lake.....	37	37						
Lapeer.....	220	220						
Leelanaw.....	62	60			2			
Lenawee.....	461	459	f 2					
Livingston.....	136	135	g 1					
Mackinac.....	23	23						
Macomb.....	223	h 221						
Manistee.....	201	201						
Manitou.....	3	3						
Marquette.....	169	169						
Mason.....	118	117	i 1					
Mecosta.....	179	177	2					
Menominee.....	155	155						
Midland.....	79	78	1					
Missaukee.....	15	15						
Monroe.....	342	342						
Montcalm.....	286	j 285		k 1				
Montmorency.....	4	4						
Muskegon.....	395	395						
Newaygo.....	157	155	1		1			
Oakland.....	290	287	1	1				1
Oceana.....	110	110						

a 1 couple, male Black, female White.

b 1 couple, male White, female Indian.

c 1 couple, male Mulatto, female White.

d 1 couple, male Black, female Mulatto.

e 1 couple, male Mulatto, female Black.

f 1 couple, male Black, female Mulatto.

g 1 couple, male Black, female Mulatto.

h 1 couple, male White, female Indian.

i 1 couple, male Black, female White.

j 1 couple, male White, female Mulatto.

k 1 couple, male Mulatto, female White.

l 1 couple, male Indian, female White.

MARRIAGES—NATIVITY OF PERSONS MARRIED.

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TABLE 35.—CONTINUED.—*Marriages in 1884, by Counties, by Color.*

Counties.	Marriages, 1884.	Color of Persons Married, 1884, Stated by Couples.						
		White.	Black.	Mulatto.	Indian.	Female Unk. Male White.	Male Unk., Fe- male White.	Both Unk.
Ogemaw	25	25						
Ontonagon	15	15						
Osceola	131	131						
Oscoda	8	8						
Otsego	31	31						
Ottawa	336	335	1					
Presque Isle	37	37						
Roscommon	10	10						
Saginaw	574	574						
Sanilac	153	153						
Schoolcraft	19	19						
Shiawassee	176	175		1				
St. Clair	394	392	2					
St. Joseph	290	287	3	1				
Tuscola	230	230						
Van Buren	250	247	b 2	1				
Washtenaw	320	307	e 12	d 1				
Wayne	1,494	1,458	e 29	f 7				
Wexford	118	118						

a 1 couple, male Mulatto, female White.
b 1 couple, male Black, female White.
c 1 couple, male Black, female Mulatto.
d 1 couple, male Mulatto, female Black.

e 3 couples, male Black, female White, and 2
couples, male Black, female Mulatto.
f 2 couples, male Mulatto, female Black.

NATIVITY OF PERSONS MARRIED.

Table 36 shows the marriages in 1884 according to the nativity of the persons married, and also the per cent of bridegrooms and brides for each nativity. It will be seen that 8,593 native-born bridegrooms married native-born brides, 1,350 married foreign-born brides, and 63 married brides whose nativity was not stated in the returns.

Of the native-born brides 8,593 married native-born bridegrooms, 1,817 married foreign-born bridegrooms, and 29 married bridegrooms of unknown nativity. In like manner, the number of foreign-born bridegrooms and brides may be obtained. As shown by the last column of this table, 66.70 per cent of all the bridegrooms in 1884 were native-born, 32.62 per cent were foreign-born, and .68 per cent were of unknown nativity. This is a slight increase over the percentage of native-born bridegrooms in 1883, it being in that year 66.22 per cent. This fact is worthy of notice, as it is the first time for many years that the percentage of native-born bridegrooms has not been less than for the preceding year; the average decrease for the four years 1880-1883 being 1.04 per cent.

The last line in the table shows that of the brides, 69.59 per cent were native-born, 29.84 per cent foreign-born, and 1.07 per cent were of unknown nativity. This shows an insignificant decrease in the proportion of native-born brides, from that of 1883, but a decrease much less than usual, as compared with former years.

TABLE 36.—*By Nativity, the Number and Per Cent of Brides and of Bridegrooms Returned as having been Married during the year 1884.*

Bridegrooms and Brides, Nativity Specified.		Brides, 1884.			Bridegrooms, 1884.	
		Native-born.	Foreign-born.	Un-known.	Total of each Nativity and of all Nativities.	Per Cent of each Nativity
Bridegrooms	Native-born.....	8,583	1,350	63	10,006	66.70
	Foreign-born.....	1,817	3,049	28	4,894	22.62
	Unknown.....	29	3	70	102	.66
Brides	Whole number of each nativity and total.	10,439	4,402	161	15,002	-----
	Per cent of each nativity and total.....	69.59	29.34	1.07	-----	100.00

Table 37 shows the marriage rates among the native and foreign-born inhabitants in 1884, and also the marriage rate for all nativities.

This Table as published in 1880, gives the marriage rate for each 100 of the inhabitants, as follows: Total of all nativities 1.73, native 1.65, foreign 1.86. Inasmuch as the census was taken during that year, we may consider the marriage rates as given above, to be substantially correct.

The same Table as published for the years 1881, 1882 and 1883, shows a marked and constant increase in the marriage rates each year. This is easily accounted for when we take into consideration the fact, that while during these years the population of the State, and consequently the number of marriages, were constantly increasing, still in computing the marriage rates, the census of 1880 was used each year as a basis. It will readily be seen that the figures so obtained would be misleading.

The Table for 1884 as here published, is especially valuable for the reason that in computing the marriage rates, the present population has been used as a basis. The marriage rates as given are as follows: Total of all nativities 1.62, native 1.51, foreign 1.91 per cent.

As compared with 1880 this shows a decrease in the marriage rate of .11 per cent. This decrease as has been stated before was probably due in part to the "hard times" which prevailed during 1884.

The Table also shows that the marriage rate was greater among the foreign-born inhabitants than among the native-born. This has been the case for many years, and is due to the fact that the native-born inhabitants include the children and persons not of marriageable ages, while the foreign-born inhabitants are principally adults. This fact is clearly brought out in the following tabulated exhibit, which shows by nativity and sex for the year 1884, the number of inhabitants of Michigan aged 15 years and over, the number of persons married, and the per cent of persons married to inhabitants.

By this it appears that the marriage rate among the native-born inhabitants in 1884 was slightly greater than among the foreign-born, and that it is greatest among the native-born females, and least among the foreign-born males.

TABLE 37.—*Exhibiting, by Sex, the Nativity of Persons Married in Michigan in 1884, and the Population in 1884.*

Nativity of Persons Married, 1884.	Marriages, 1884.		Population June 1, 1884, Represented by Marriages in 1884.			Persons Married, 1884.			Per Cent of Persons Married in 1884 to Population of same Nativity, June 1, 1884.		
	Number.	Per Ct. of Total.	Total.	Males.	Females.	Number.					
						Total.	Males.	Females.	Total.	Males.	Females.
Total	15,002	100.00	b 1,853,658	974,424	879,028	30,004	15,002	15,002	1.62	1.54	1.71
Native-born	8,598	57.28	c 1,357,639	695,490	662,145	20,445	10,006	10,439	1.51	1.44	1.58
Foreign-born	3,049	20.32	d 486,968	272,298	214,669	9,296	4,894	4,402	1.91	1.80	2.05
Foreign male and native female.....	1,817	12.11									
Foreign female and native male.....	1,350	9.00									
Nativity unknown	a 198	1.29	e 9,061	6,636	2,214	263	102	161	2.91	1.54	7.27
One or both native	11,852	79.00									
One or both foreign	6,247	41.64									

a Includes cases where one or both are unknown.

b Includes 206 unknown sex.

c Includes 4 unknown sex.

d Includes 1 unknown sex.

e Includes 201 unknown sex.

Nativity.	Inhabitants June 1, 1884, Aged 15 Years and Over.			Persons Married, 1884.			Per Cent of Persons Married in 1884 to Inhabitants June 1, 1884, aged 15 Years and Over.		
	Both Sexes.	Males.	Females.	Both Sexes.	Males.	Females.	Both Sexes.	Males.	Fe-males.
All Nativities	1,213,634	649,598	564,046	30,004	15,002	15,002	2.47	2.31	2.66
Native	782,620	403,790	378,830	20,445	10,006	10,439	2.61	2.48	2.76
Foreign	423,384	239,827	183,557	9,296	4,894	4,402	2.20	2.04	2.40

Table 38 shows the percentages of marriages according to nativity of persons married, for the past fourteen years, and also the average for these years. The percentages do not show any marked variation from year to year, if we except the percentage from unknown nativity.

The decrease in this percentage is due to the fact that more care is exercised than formerly in making the returns.

TABLE 38.—*Marriages according to Nativity,—Percentages for Fourteen Years.*

Years.	Both Na- tive-born.	Both For- eign-born.	Native-born Groom and Foreign- born Bride.	Foreign- born Groom and Native-born Bride.	Not Stated.
1871.....	58.94	19.13	6.32	12.11	3.50
1872.....	60.09	18.05	6.95	11.88	3.03
1873.....	57.94	20.72	6.69	12.45	2.20
1874.....	59.89	18.29	7.39	12.17	2.26
1875.....	61.55	16.08	7.35	12.88	2.14
1876.....	62.44	15.02	7.01	13.28	2.27
1877.....	63.33	14.31	7.18	13.05	2.13
1878.....	63.33	12.68	7.72	13.48	2.29
1879.....	64.15	12.78	7.40	13.56	2.11
1880.....	62.17	15.20	7.48	13.02	2.13
1881.....	59.30	18.00	8.18	12.75	1.77
1882.....	58.15	19.61	8.72	12.47	1.05
1883.....	57.19	20.60	8.85	12.27	1.29
1884.....	57.28	20.32	9.00	12.11	1.29
Average.....	60.45	17.20	7.57	12.68	2.10

AGES OF PERSONS MARRIED.

Table 39 shows by nativity and sex, the average age of persons married in Michigan during the years 1881-1884, and the average for ten years 1875-1884. It will be seen that 28 years for the males, and 23 for the females, seem to be about the average ages for marriage in this State, also that the average age for the foreign-born is greater than for the native-born.

TABLE 39.—*By Nativity, the Average Age of Persons Married in Michigan in 1881-1884, and the Average for Ten Years—1875-1884.*

Nativity of Persons Married.	1881.		1882.		1883.		1884.		Average for 10 years—1875-1884.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
All nativities.....	28.09	23.20	28.17	23.39	28.25	23.36	28.43	23.40	28.13	23.15
Native.....	27.49	22.83	27.69	23.01	27.82	22.90	28.00	22.96	27.66	22.74
Foreign.....	29.33	24.20	29.17	24.32	29.09	24.40	29.27	24.44	29.28	24.40
Unknown.....	31.43	23.83	28.70	23.85	29.21	24.52	31.06	24.08	28.85	23.62

Table 40 shows by sex and periods of age, the number and proportion of persons married in 1884. The proportion of males married at different periods of age shows little variation from year to year; the proportion of females married under twenty years of age has steadily decreased, while in the same ratio the proportion of those married from 20 to 25 has increased. In 1876 the proportion of females married under 20 was 38.89

per cent, while in 1884 as shown by the table it was 33.98 per cent; on the other hand in the same years the proportion married from 20 to 25 was for the former year 35.68 per cent, for the latter 38.40 per cent.

Seventy per cent of all the males married in Michigan during 1884 were aged from 20 to 30 years, and over 52 per cent of the females were married at these ages. This is about the same proportion as was shown for 1883.

TABLE 40.—*Exhibiting, by Sex and by Periods of Age, the Number and Per Cent of Persons Married during the year 1884.*

Ages in Years and Periods.	Marriages, 1884.					
	Total Number of Persons Married, 1884.	Males.			Females.	
		Number Married.	Per Cent of Total Marriages.	Per Cent of Persons Married at Correspond- ing Ages.	Number Married.	Per Cent of Total Marriages.
All ages.....	30,004	15,002	100.00	50.00	15,002	100.00
13.....	5				5	.04
14.....	20				20	.13
15.....	98				98	.65
16.....	851	1	.01	.12	850	5.87
17.....	1,147	5	.03	.44	1,142	7.61
18.....	1,999	104	.69	6.12	1,595	10.63
19.....	1,629	242	1.61	14.86	1,387	9.25
20.....	2,096	572	3.81	27.30	1,523	10.15
21 to 25.....	9,506	5,268	35.12	55.42	4,238	28.25
25 to 30.....	6,705	4,639	30.92	69.19	2,066	13.77
30 to 35.....	2,434	1,729	11.53	71.04	705	4.70
35 to 40.....	1,283	837	5.58	65.24	446	2.97
40 to 45.....	806	496	3.31	61.54	310	2.07
45 to 50.....	496	310	2.07	62.63	185	1.23
50 to 55.....	347	228	1.52	65.71	119	.79
55 to 60.....	247	160	1.07	64.78	87	.58
60 to 65.....	211	157	1.05	74.41	64	.43
65 to 70.....	125	92	.61	73.60	33	.22
70 to 75.....	83	69	.46	83.13	14	.09
75 to 80.....	12	11	.07	91.67	1	.01
80 and over.....	6	6	.04	100.00		
Unknown ages.....	190	76	.51	40.00	114	.76
Under 15.....	25				25	.17
15 to 20.....	5,424	352	2.35	6.49	5,072	33.81
20 to 25.....	11,601	5,840	38.93	50.34	5,761	38.40

VITAL STATISTICS OF MICHIGAN, 1884.

PERSONS MARRIED UNDER TWENTY-ONE YEARS OF AGE.

In 1884 there were 924 males and 6,620 females married under the age of twenty-one years; in all 7,544, or 547 less than during the year 1883.

There has been with few exceptions, a gradual increase each year in the number of persons married under 21 years of age, but the proportion of such persons to the whole number married has shown a steady decrease.

The following tabular exhibit shows the percentage of all persons married under twenty-one to the whole number married, the percentage of males married under twenty-one to the whole number of males married at all ages, and the percentage of females married under twenty-one to the whole number of females married at all ages:

Years.	Total.	Males.	Females.
1877.....	27.70	6.80	48.60
1878.....	28.21	7.40	49.01
1879.....	28.88	6.74	47.01
1880.....	26.10	6.40	45.80
1881.....	25.14	6.30	43.98
1882.....	24.45	6.23	42.66
1883.....	24.64	5.93	43.35
1884.....	25.14	6.16	44.13
Average.....	26.03	6.49	45.57

In order that persons may legally marry, one of the requisites is that males must have attained the full age of eighteen years and females the full age of sixteen years.

The returns show this provision of the law to have been violated in 129 cases, as follows: five males were married at the age of 17 and one at the age of 16; 98 females were married at the age of 15, twenty at the age of 14, and five at the age of 13.

The marriages of females at the age of 13 were returned from the counties of Alpena, Ionia, Missaukee, Muskegon, and Van Buren.

The penalty for solemnizing such marriages is very severe, and if the law were enforced in a few instances there would be fewer violations of it to record.

MANNER OF UNION BY AGES.

The last two columns and the two lines at the bottom of Table 42, show the number and proportion of males and females married at each period of age in Michigan, during the year 1884.

Reading across the table, commencing with the first line, it will be seen that 352 males, 2.10 per cent of the whole number married, were under the age of 20 years; that they married 274 females under 20 years of age, 65 aged from 20 to 25, 8 aged from 25 to 30, 2 aged from 30 to 35, 1 aged from 35 to 40, and two whose ages were not returned, and so on down the table.

Reading by columns it will be seen that 5,097 females, or 33.98 per cent of the whole number, were married under the age of 20 years, that they married 274 males under 20 years of age, 2,949 aged from 20 to 25, 1,381 aged from 25 to 30, 334 aged from 30 to 35, etc., and in the same manner for each column across the table.

The period at which the greatest number of marriages occurred, was from 20 to 25. This has been the case for many years both for males and females, and while the proportion of males remains about the same, the proportion of females married at these ages is constantly increasing.

Among the marriages which are remarkable on account of the difference between the ages of the persons married, the following may be given:

A groom of 73 to a bride of 17 in Allegan county ; a groom of 72 to a bride of 24 in Kent county ; and a groom 89 years of age to a bride of 63 in Newaygo county. On the other hand we find that in Van Buren county a groom 28 years of age was married to a bride of 59, and in Monroe county a groom of 27 married a bride of 54.

These are but a few of many remarkable cases, the rest may be seen by an examination of Table 42.

Table 43 shows the number and proportion of marriages for each county in the State.

TABLE 41.—Exhibiting, for the State and Counties, by Sex, the Nativity and Age in Periods of Years, of Persons Married in Michigan during the Year 1884.

State and Counties.	Number of Couples Married, 1884.	Nativity of Persons Married, 1884, Stated by Couples.								Sex Stated.	Marriages at Different Ages, Stated in Periods of Years, 1884.																		
		Both Native-born.		Both Foreign-born.		Foreign Males, Native Females.		Foreign Females, Native Males.			Females Unknown.		Males Unknown.		Under 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
		Both Native-born.	Both Foreign-born.	Foreign Males, Native Females.	Foreign Females, Native Males.	Males.	Females.	Native.	Foreign.		Native.	Foreign.																	
State.....	15,002	8,593	3,049	1,817	1,350	63	28	29	3	70	Total.....	5,449	11,601	6,705	2,434	1,294	805	495	347	247	221	125	83	12	6	190			
											Males.....	352	5,840	4,639	1,729	838	486	310	228	160	157	92	69	11	6	76			
											Females.....	5,097	5,761	2,036	705	446	310	185	119	87	64	33	14	1		114			
Alcona.....	19	4	6	6	3						Males.....	7	6	3	1	1													
											Females.....	10	3	2	2	2													
Allegan.....	331	246	30	39	16						Males.....	6	135	97	21	28	9	8	11	5	3	1	7	1			1		
											Females.....	123	114	44	14	9	8	6		9	2		1			1			
Alpena.....	93	19	53	13	7	1					Males.....	1	32	34	14	5	2	1	1	1		1				1			
											Females.....	31	42	5	9	1	1	2								1			
Antrim.....	77	41	8	14	11					3	Males.....	1	29	27	7	3	4	1	2	1						2			
											Females.....	38	21	8	4	2	2									2			
Arenac.....	20	6	5	5	4						Males.....	7	8	3	1	1													
											Females.....	11	6	2		1													
Baraga.....	17	9	5	2	1						Males.....	9	7	1															
											Females.....	7	3																
Barry.....	195	169	5	8	12	1					Males.....	8	69	64	15	15	7	1	2	3	5	3	3						
											Females.....	71	70	24	8	6	3	3	1	2	4	2	1						

MARRIAGES—BY COUNTIES, NATIVITY, SEX, AND AGE.

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[illegible]

TABLE 41.—CONTINUED.—Marriages by Counties, Nativity, and Periods of Age.

Counties.	Nativity of Persons Married, 1884, Stated by Couples.		Marriages at Different Ages, Stated in Periods of Years, 1884.																										
	Number of Couples Married, 1884.	Both Native-born.	Both Foreign-born.	Foreign Males, Native.		Foreign Females, Native.		Foreign Males, Unknown.		Foreign Females, Unknown.		Both Unknown.	Sex Stated.	Under 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.	
				Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.																		
Emmet	57	37	6	8	6								{ Males	1	23	13	9	4	1	1	2	1	1	1					
													{ Females	22	5	1	4	1		1	1								
Genesee	263	211	14	35	28			3				2	{ Males	8	116	91	34	9	9	3	6	5	5	3	4				
													{ Females	117	106	33	11	8	6	1	4	3	2	1	1				
Gladwin	13	3	4	5				1					{ Males	1	1														11
													{ Females	1															12
Gr. Traverse	70	43	13	9	5								{ Males	2	23	20	9	8	3	3	1		1						
													{ Females	28	23	7	5	3	2	1	1								
Gratiot	157	121	3	19	11			1	1			1	{ Males	5	66	40	18	9	5	5	3	1	1	2	1				1
													{ Females	69	51	10	7	5	4	5	1	2	1	1				1	
Hillsdale	351	320	2	12	4	1						2	{ Males	12	154	98	30	15	10	9	4	6	7	2	1				5
													{ Females	125	130	47	14	10	5	3	2	3	4	2				6	
Houghton	257	28	157	42	10								{ Males	3	98	85	27	15	4	3	1	1							
													{ Females	78	99	39	12	4	3	1			1						
Huron	120	23	45	29	21	2	5					4	{ Males	2	63	36	10	7	4	1	1	1	1	1					2
													{ Females	70	35	11	8	1	1	1									2
Ingham	284	205	13	22	20	1						3	{ Males	7	100	65	37	19	12	5	10	2	4	1	1			1	
													{ Females	81	105	33	21	6	3	4	4	2	1	1	1			2	
Ionia	269	206	10	33	16	1	1	2					{ Males	6	102	89	27	13	10	4	9	1	4	3	1				1
													{ Females	107	95	25	9	11	7	2	5	4	2	1				1	

MARRIAGES—BY COUNTIES, NATIVITY, SEX, AND AGE.

[illegible]

TABLE 41.—CONTINUED.—*Marriages by Counties, Nativity, and Periods of Age.*

Counties.	Number of Couples Married, 1884.	Nativity of Persons Married, 1884, Stated by Couples.						Marriages at Different Ages, Stated in Periods of Years, 1884.																	
		Both Native-born.	Both Foreign-born.	Foreign Males, Na- tive Males.	Foreign Females, Na- tive Females.	Females Unknown.		Males Unknown.		Sex Stated.	Under 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
						Native.	Foreign.	Native.	Foreign.																
Manistee	201	50	115	22	14					Males	4	64	69	32	14	9	4	3	1	1					
										Females	75	75	23	11	4	4	3	1	2						
Manitou	3	1	1	1						Males			1	1		1									
										Females		1	2												
Marquette	169	20	112	24	13					Males	4	58	56	28	11	7	4				1				
										Females	47	80	22	8	4	3	3	1		1					
Mason	118	51	40	8	15					Males	3	39	40	15	5	6	4	3	1	2					
										Females	42	38	18	5	6	3	4	1		1					
Mecosta	179	100	27	29	23					Males	3	64	56	17	13	7	6	6	2	3	1	1			
										Females	70	55	25	7	11	4	3	1	1	1	1				
Menominee	155	31	86	26	11					Males	4	56	57	19	9	2	4		1	1	1			1	
										Females	55	58	23	3	6	3		1	1				2		
Midland	79	45	11	14	9					Males	2	29	21	15	2	3	3	1	1	1				1	
										Females	33	26	5	6		3	2	1	1	1				1	
Missaukee	15	5	8	1	1					Males		7	3	1	1	1		1		1					
										Females	8	4				1			1					1	
Monroe	342	256	19	39	22			3	1	Males	6	144	109	41	9	11	14	5	8	1	2	2		4	
										Females	115	138	37	18	11	7	5	2	1	1		1		6	
Montcalm	286	191	43	22	29					Males	15	109	81	36	16	12	5	4	1	5	2				
										Females	121	94	38	9	11	7	4	3	2	1				2	

MARRIAGES BY COUNTIES, NATIVITY, SEX, AND AGE.

[illegible]

VITAL STATISTICS OF MICHIGAN, 1884.

TABLE 41.—CONTINUED.—Marriages by Counties, Nativity, and Periods of Age.

[illegible]

TABLE 42.—*Exhibiting the Number of each Sex, at each Period of Age, Married in Michigan during the Year 1884, and the Per Cent of Brides and of Bridegrooms at each Period of Age to Total at all Ages.*

Ages of Males, 1884.	Ages of Females, 1884.															Total Males.	Per Cent of Grooms at each Age.
	Under 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.		
Under 20.....	274	65	8	2	1	—	—	—	—	—	—	—	—	—	2	352	2.35
20 to 25.....	2,949	2,488	345	26	11	1	2	—	—	—	—	—	—	—	18	5,840	38.93
25 to 30.....	1,381	2,183	873	143	38	5	2	1	1	—	—	—	—	—	12	4,639	30.92
30 to 35.....	334	669	430	203	62	22	2	—	—	—	—	—	—	—	7	1,729	11.53
35 to 40.....	106	223	213	126	104	46	8	3	2	—	—	—	—	—	6	837	5.58
40 to 45.....	33	74	113	80	76	74	24	9	1	1	—	—	—	—	2	496	3.31
45 to 50.....	11	33	42	54	64	54	38	10	3	1	—	—	—	—	—	310	2.07
50 to 55.....	4	14	24	30	41	48	31	24	6	6	—	—	—	—	—	228	1.52
55 to 60.....	—	5	5	14	27	30	33	16	18	8	3	1	—	—	—	160	1.07
60 to 65.....	1	2	9	13	12	20	29	30	18	18	3	2	—	—	—	157	1.05
65 to 70.....	—	—	2	4	5	7	12	18	17	15	10	2	—	—	—	92	.61
70 to 75.....	1	1	—	1	5	3	4	5	18	11	15	4	1	—	—	69	.46
75 to 80.....	—	—	—	—	—	—	—	3	3	—	2	3	—	—	—	11	.07
80 and over.....	—	—	—	—	—	—	—	—	—	4	—	2	—	—	—	6	.04
Unknown.....	3	4	2	—	—	—	—	—	—	—	—	—	—	—	67	76	.51
Total Females	5,097	5,761	2,066	705	446	310	185	119	87	64	33	14	1	—	114	15,002	.....
Per cent of Brides at each age..)	33.98	38.40	13.77	4.70	2.97	2.07	1.23	.79	.58	.43	.22	.09	.01	..	.76	.....	100.00

TABLE 43.—*Exhibiting, by Counties, the Number of Marriages in Michigan for the Years 1882, 1883, and 1884; the Number as first returned, and the Number returned since Compilation for the Years 1882 and 1883; the Number of Inhabitants in 1884, and the Per Cent of Marriages in 1884 to Population in 1884.*

State and Counties.	Marriages.							Population, 1884, Represented by Marriages in 1884.	Number of Inhabitants in 1884 to one Marriage in 1884.	Per Cent of Marriages in 1884 to Population in 1884.
	1882.		1883.		1884.					
	Number as first Returned and Completed.	Number Returned since first Compilation.	Number Returned Previous to November 11, 1885.	Number as first Returned and Completed.	Number Returned since first Compilation.	Number Returned Previous to November 11, 1885.	Number Returned.			
State.....	16,178	618	16,796	16,420	559	16,979	15,002	1,653,658	124	.81
Alcona.....	12		12	32		32	19	4,028	212	.47
Allegan.....	397	4	401	324		324	331	38,088	117	.86
Alpena.....	113	2	115	148	1	149	93	12,683	136	.73
Antrim.....	62	1	63	55	4	59	55	8,761	114	.86
Arenac.....				14		14	20	4,027	201	.50
Baraga.....	12	5	17	10		10	17	3,069	179	.56
Barry.....	190	1	191	197	5	202	196	24,102	124	.81
Bay.....	326	20	346	222	14	236	243	51,221	149	.67
Benzie.....	31		31	31		31	18	4,320	175	.57
Berrien.....	346	24	370	324	1	325	325	31,773	706	1.42
Branch.....	77		77	77	9	86	55	15,661	177	.58
Calhoun.....	241	10	251	227	15	242	242	41,585	114	.86
Cass.....	146	5	151	223		223	113	21,372	93	1.02
Charlevoix.....	12		12	2		2	21	9,153	163	.61
Cheboygan.....	20	2	22	2		2	24	5,546	134	.74
Chippewa.....	2		2	21		21	2	2,612	132	.56
Charlevoix.....	20		20	21		21	2	5,546	115	.86
Clinton.....	22		22	22		22	22	11,135	144	.80
Crawford.....	14		14	14		14	4	1,222	128	.80
Delta.....	2	4	6	13		13	4	2,302	115	.80
Eaton.....	22	4	26	27	9	36	27	21,242	134	.75
Emmet.....	17		17	2	12	14	21	7,344	139	.72
Genesee.....	26	9	35	22	9	31	22	28,172	122	.78
Gladwin.....	6		6	4		4	11	1,539	118	.84
Grand Traverse.....	27		27	2		2	24	12,222	173	.58
Gratiot.....							21	15,000	100	.80

TABLE 43.—CONTINUED.—*Marriages, Corrected by Counties.*

Counties.	Marriages.							Population, 1884, Represented by Marriages in 1884.	Number of Inhabitants in 1884 to one Marriage in 1884.	Per Cent of Marriages in 1884 to Population in 1884.
	1882.			1883.			1884.			
	Number as first Re- turned and Com- pleted.	Number Returned since first Compli- tion.	Number Returned Previous to No- vember 11, 1885.	Number as first Re- turned and Com- pleted.	Number Returned since first Compli- tion.	Number Returned Previous to No- vember 11, 1885.				
Hillsdale	413	7	420	377	15	302	351	31,686	90	1.11
Houghton	218		218	221		221	237	26,146	110	.91
Huron	114		114	155	3	158	129	24,521	190	.58
Ingham	313	19	332	244	61	345	264	34,939	132	.76
Ionia	275	4	279	312	8	320	269	32,559	121	.88
Iosco	71		71	85	26	111	98	10,002	108	.92
Isabella	96	1	97	126	2	128	110	16,011	145	.69
Jackson	364	41	405	456	1	457	390	45,232	116	.86
Kalamazoo	297	62	359	288	53	341	283	36,281	125	.80
Kalkaska	32	4	36	21		21	26	4,493	173	.58
Kent	922	17	939	881	82	963	725	84,000	117	.86
Keweenaw	28		28	31	1	32	21	4,667	222	.45
Lake	37		37	33		33	37	7,539	204	.49
Lapeer	227	9	236	262	17	279	220	30,057	137	.73
Leelanaw	43		43	48		48	62	7,128	115	.87
Lenawee	504	48	552	475	12	487	461	49,584	108	.96
Livingston	175		175	156	3	159	136	21,568	159	.63
Mackinac	25		25	34		34	23	5,171	225	.44
Macomb	248		248	252		252	223	31,293	140	.71
Manistee	196		196	270	3	273	201	19,875	99	1.01
Manitou	7		7	3		3	3	1,108	399	2.50
Marquette	315	10	325	267	4	271	169	31,397	186	.54
Mason	111		111	144		144	118	13,221	112	.89
Mecosta	192	31	223	231	1	232	179	20,597	115	.87
Menominee	189		189	161	8	169	155	19,120	123	.81
Midland	55	2	57	88	2	90	79	8,776	111	.90
Missaukee	15		15	12	1	13	15	3,386	226	.44
Monroe	349	18	367	367	4	391	342	33,363	98	1.06
Montcalm	346	1	347	356	2	358	286	35,356	124	.81
Montmorency	8	11	14	1		1	4	845	211	.47
Muskegon	370		370	387		387	366	37,554	96	1.06
Newaygo	138		138	173		173	157	18,996	121	.83
Oakland	309	15	324	315	9	324	280	41,100	142	.71

TABLE 48.—CONTINUED.—*Marriages, Corrected by Counties.*

Counties.	Marriages.						Population, 1884, Represented by Marriages in 1884.	Number of Inhabitants in 1884 to one Marriage in 1884.	Per Cent of Marriages in 1884 to Population in 1884.	
	1882.			1883.						1884.
	Number as first Re- turned and Com- pleted.	Number Returned since first Compl- etion.	Number Returned Previous to No- vember 11, 1885.	Number as first Re- turned and Com- pleted.	Number Returned since first Compl- etion.	Number Returned Previous to No- vember 11, 1885.				Number Returned.
Oceana	106		106	129		129	110	14,519	132	.76
Ogemaw	13		13	21		21	25	3,637	145	.66
Ontonagon	17		17	17		17	15	4,836	322	.31
Osceola	145	5	150	142	10	152	131	14,001	107	.94
Oscoda	6		6	13		13	8	1,374	172	.58
Otsego	25	1	26	23	1	24	31	3,906	126	.79
Ottawa	373		373	350	3	353	336	36,225	108	.93
Presque Isle	31		31	21	1	22	37	4,064	110	.91
Roscommon	8		8	17		17	10	2,588	259	.36
Saginaw	604	28	630	629	56	685	574	74,795	130	.77
Sanilac	201	11	212	190	1	191	153	29,583	193	.52
Schoolcraft	19		19	25		25	19	3,846	202	.49
Shiawassee	197	5	202	223	5	228	176	28,078	160	.63
St. Clair	422	17	439	377	20	397	394	46,783	119	.84
St. Joseph	326	10	336	339	6	345	290	26,277	91	1.10
Tuscola	257	15	272	241	12	253	230	30,726	134	.75
Van Buren	287	3	290	281	1	282	250	30,341	121	.82
Washtenaw	384	28	412	333	12	345	320	41,694	130	.77
Wayne	1,576	74	1,650	1,561	37	1,598	1,494	188,906	126	.79
Wexford	106		106	75	1	76	118	10,518	89	1.12

DEATHS, 1884.

The total number of deaths reported in Michigan, in 1884, was 18,056, an increase of 1,150 over the number returned in 1883, and an increase of 3,473 over the average annual number for the ten years 1874-1883. Although the number of deaths returned would be greater with an increase in the population, it is probable that the registration of deaths for 1884 is more correct than for any year since 1881.

The death-rate in Michigan for 1884 per 1,000 of living population, according to the census of 1884, was 9.77. This corresponds very nearly with the death-rate for 1880, which was about ten in every thousand.

It is a well known fact to all who are familiar with the subject of vital statistics, that it is impossible to collect full and complete returns of births and deaths at the end of the year, or a few months after the end of the year, as in Michigan, for which the data are desired. As long as the present registration laws are in force in this State we cannot expect full returns. An attempt has been made in this and previous reports to calculate the amount of deficiency in the returns of births and deaths. According to this system of correction, the returns of deaths for 1884 should be increased by 39.19 per cent in order to equal the number which probably occurred. This correction would make the whole number of deaths for 1884, 25,133 and the death-rate 13.59 to each thousand living. Even this ratio is undoubtedly too small, as in States whose systems of registration are fairly satisfactory, being based on burial certificates, the death-rates are as high as 18 or 20 in a thousand, and the mortality rate of the United States for the census year 1880 was 18 per 1,000.

The following tabular statement shows the death-rate in Michigan, both as regards the number of deaths returned, and the number as corrected for omissions in the enumeration.

	Inhabitants in 1884 represented by Deaths in 1884.	Deaths as Returned.	Deaths Corrected for Omissions in Enumerating.	Per Cent of Deaths to Inhabitants.	
				Deaths as Returned.	Deaths Corrected for Omissions.
Total	1,848,898	18,056	25,133	.98	1.36

The average number of deaths during each of certain specified periods of time in 1884, including those in unknown month, was as follows :

Periods of time.	Deaths as Returned.	Corrected for Omissions.
Per quarter.....	4,514	6,283
month.....	1,505	2,094
week.....	347	483
day.....	49	69

The following table shows the influence of the seasons upon the mortality in Michigan for the years 1882, 1883, 1884, and the average for ten years 1874-1883. The largest proportion is shown for the quarter ending with September, the smallest for the quarter ending with March. This has been true for most years thus far compiled, the only exceptions being for the years 1878 and 1883, in each of which the last quarter of the year had the largest proportion of deaths.

When the returns of deaths are corrected for omissions, as seen in the lower part of table 44, the third quarter has the largest percentage for each year and the average, except 1882.

TABLE 44.—Deaths in Michigan by Quarters of the Year, exhibiting the Number and Per Cent of Total as Returned and as Corrected for the Years 1882-1884, and the Average for Ten Years 1874-1883.

Totals, and Months with which Quarters end.		1882.		1883.		1884.		Av. for 10 Years, 1874-1883.	
		Num-ber.	Per Cent of Total.	Num-ber.	Per Cent of Total.	Num-ber.	Per Cent of Total.	Num-ber.	Per Cent of Total.
Totals.....		16,425	100.00	16,906	100.00	18,036	100.00	14,583	100.00
As Returned.	March.....	3,521	21.44	3,574	21.14	3,689	20.43	2,901	19.89
	June.....	4,065	24.60	4,184	24.75	4,104	22.73	3,338	22.89
	September.....	4,282	26.07	4,703	27.82	5,314	29.43	4,328	29.68
	December.....	4,489	27.33	4,396	26.00	4,893	27.10	3,966	27.20
	Unknown.....	78	.47	49	.29	56	.31	50	.34
Average *.....		4,106	25.00	4,227	25.00	4,514	25.00	3,648	25.00
Totals.....		27,306	100.00	23,640	100.00	25,133	100.00	21,814	.....
As Corrected for Omissions.	March.....	6,951	25.46	5,660	23.94	5,896	23.22	5,039	23.10
	June.....	7,242	26.52	6,158	26.05	6,030	23.99	5,338	24.47
	September.....	6,787	24.86	6,352	26.87	7,166	28.51	6,240	28.61
	December.....	6,248	22.88	5,421	22.93	6,045	24.06	5,147	23.59
	Unknown.....	78	.28	49	.21	56	.23	50	.23
Average *.....		6,827	25.00	5,910	25.00	6,283	25.00	5,454	25.00

* Including deaths in unknown month.

SEX OF DECEDENTS.

Table 46 shows the number and proportion of males and females among the decedents in Michigan for the years 1871 to 1884 inclusive, and the average for these years. In 1884 the deaths of males exceeded the deaths of females by 1,204, or in the proportion of 114 males to 100 females. This disparity almost entirely disappears when the rate of mortality to each thousand inhabitants is considered. The mortality-rate of males, the number of deaths to each thousand living in 1884, was 9.87; that to each thousand of females was 9.56. Based on the census of 1880, the death-rate in 1883 among males was 10.58 per 1,000, and that of females was 10.02; in 1882 the rates were 10.13 and 9.92, respectively; in 1881 they were 12.02 and 11.60; and in 1880 they were 10 and 9.62.

TABLE 46.—*Number and Per Cent of Deaths of Males and of Females returned in Michigan for the Year 1871-1884. (Unknown sex, excluded.)*

Years.	Deaths of Males, as Returned.	Deaths of Females, as Returned.	Deaths of Males to 100 Deaths of Females.	Per Cent of each Sex to Total of both Sexes.			
				Males.	Females.	Excess of the Sexes.	
						Males.	Females.
1871.....	5,190	4,503	115.3	53.54	46.46	7.08	.....
1872.....	7,182	6,162	116.6	53.82	46.18	7.64	.....
1873.....	7,051	6,590	116.1	53.73	46.27	7.46	.....
1874.....	6,665	5,804	114.8	53.45	46.55	6.90	.....
1875.....	6,448	5,484	117.6	54.04	45.96	8.08	.....
1876.....	6,756	5,761	117.3	53.97	46.03	7.94	.....
1877.....	6,827	6,040	113.0	53.06	46.94	6.12	.....
1878.....	6,632	6,082	109.0	52.16	47.84	4.32	.....
1879.....	7,522	6,848	109.8	52.34	47.66	4.68	.....
1880.....	8,645	7,410	116.7	53.85	46.15	7.70	.....
1881.....	10,263	8,910	115.2	53.53	46.47	7.06	.....
1882.....	8,713	7,664	113.7	53.20	46.80	6.40	.....
1883.....	9,101	7,748	117.5	54.02	45.98	8.04	.....
1884.....	9,589	8,385	114.4	53.35	46.65	6.70	.....
Average.....	7,656	6,671	114.8	53.43	46.57	6.86	.....

OMISSIONS IN THE ENUMERATION OF DEATHS.

The method of correcting the returns of deaths for omissions in the enumeration has been fully explained in preceding reports. Table 47 represents the months in order, after the above corrections have been made, for each of the years 1882, 1883, 1884, and the average for ten years 1874-1883. Because of the unequal omissions of deaths by months, the order of the months is not the same as appears in Table 45.

TABLE 47.—*Exhibiting, by Months, the Number and Per Cent of Deaths, as corrected for Omissions in the Enumeration, for the Years 1882-1884, and the Average for Ten Years—1874-1883; Months arranged in Order by Number, greatest first.*

Order.	1882.			1883.			1884.			Average for 10 Years, 1874-1883.		
	Months.	Number.	Per Cent of Total.	Months.	Number.	Per Cent of Total.	Months.	Number.	Per Cent of Total.	Months.	Number.	Per Cent of Total.
	Total ..	27,306	100.00	Total ..	23,640	100.00	Total ..	25,133	100.00	Total ..	21,814	100.00
1	May ...	2,642	9.68	April...	2,263	9.57	Aug...	2,500	10.30	Aug. ...	2,269	10.40
2	March...	2,629	9.63	Aug. ...	2,232	9.44	Sept. ...	2,463	9.80	Sept. ...	2,156	9.88
3	April...	2,426	8.88	Mar. ...	2,127	9.00	Oct. ...	2,231	8.88	April...	1,940	8.89
4	Sept. ...	2,354	8.62	Sept. ...	2,118	8.96	Mar. ...	2,199	8.75	Mar. ...	1,894	8.68
5	Feb. ...	2,320	8.50	May ...	2,101	8.89	May ...	2,138	8.51	May ...	1,850	8.48
6	Aug. ...	2,309	8.46	July ...	2,002	8.47	July ...	2,113	8.41	July ...	1,815	8.32
7	Oct. ...	2,185	8.00	Dec. ...	1,911	8.08	April...	2,063	8.29	Oct. ...	1,810	8.30
8	June ...	2,174	7.96	Feb. ...	1,798	7.61	Dec. ...	1,900	7.68	Dec. ...	1,738	7.97
9	July ...	2,124	7.78	June ...	1,794	7.59	Nov. ...	1,884	7.49	Feb. ...	1,634	7.49
10	Dec. ...	2,084	7.63	Oct. ...	1,785	7.55	Feb. ...	1,871	7.44	Nov. ...	1,599	7.33
11	Jan. ...	2,002	7.33	Jan. ...	1,735	7.34	June ...	1,809	7.20	June ...	1,548	7.10
12	Nov. ...	1,979	7.25	Nov. ...	1,725	7.29	Jan. ...	1,766	7.03	Jan. ...	1,511	6.93
...	Unk. ...	78	.28	Unk. ...	49	.21	Unk. ...	56	.22	Unk. ...	50	.23
...	Av.* ...	2,276	8.33	Av.* ...	1,970	8.33	Av.* ...	2,004	8.33	Av.* ...	1,818	8.33

* Including deaths in unknown month.

AGES OF PERSONS WHO DIED IN MICHIGAN IN 1884.

Some of the interesting relations of age and sex to mortality may be seen in Tables 48 and 49. It will be observed that of the deaths of males, in 1884, more than a quarter (28.71 per cent) were those of children under one year of age, and that 41.28 per cent were those of children under five years of age. Among the females, the figures are considerably less than those of males at ages under one and under five. It is thus seen that in infancy and childhood the deaths of males largely exceed those of females, which corresponds to the excess of males among the births. Between the ages of twenty and thirty, however, the deaths of females exceeded those of males by 2.11 per cent.

As deaths returned in 1884, those of children under one year of age compared with a quarter or 27.23 per cent, and those of children under five years of age with 40.05 per cent. This shows very plainly the large number of deaths which occur among infants and young children.

When the year 1884 compares with the previous eleven years concerning the relation of age to mortality. The most marked contrast appears for the period under one year of age, it being greater in 1884 than for any year since

TABLE 48.—*Exhibiting, by Sex and by Age in Periods of Years, the Number and Proportion of Persons returned as having died in Michigan during the Year 1884; also, the Excess of Persons of each Sex.*

Ages in Years and Periods.	Number of Deaths, 1884.				Per Ct. of Deaths at each Age to Total at all Ages.			Per Cent of each Sex to Total of Both Sexes.				Excess of the Sexes by Numbers.		Males to 100 Females.
	Total.	Males.	Fe- males.	Unk.	Total.	Males.	Fe- males.	Males.	Fe- males.	Excess.		Males.	Fe- males.	
										Males.	Fe- males.			
All ages.....	18,056	9,589	8,385	82	100.00	100.00	100.00	53.35	46.65	6.70		1,204		114.28
Under 1.....	4,914	2,753	2,084	77	27.22	28.71	24.85	56.92	43.08	13.84		669		132.10
1 to 2.....	1,072	563	509		5.94	5.87	6.07	52.52	47.48	5.04		54		110.61
2 to 3.....	567	298	268	1	3.14	3.11	3.20	52.65	47.35	5.30		30		111.19
3 to 4.....	386	195	191		2.14	2.04	2.28	50.52	49.48	1.04		4		102.00
4 to 5.....	293	149	144		1.62	1.55	1.72	50.85	49.15	1.70		5		103.47
Under 5.....	7,232	3,958	3,196	78	40.05	41.28	38.12	55.33	44.67	10.66		762		123.84
5 to 10.....	1,007	493	514		5.58	5.14	6.13	48.96	51.04	2.08		21		95.91
10 to 15.....	541	260	281		3.00	2.71	3.35	48.06	51.94	2.88		21		92.53
15 to 20.....	682	308	374		3.78	3.21	4.46	45.16	54.84	9.68		66		82.35
20 to 25.....	880	422	458		4.87	4.40	5.46	47.95	52.05	4.10		36		92.14
25 to 30.....	759	358	401		4.20	3.73	4.78	47.17	52.83	5.66		43		89.28
30 to 35.....	578	280	298		3.20	2.92	3.55	48.44	51.56	3.12		18		93.96
35 to 40.....	564	281	233		3.12	2.93	3.38	49.82	50.18	.36		2		99.29
40 to 45.....	569	297	272		3.15	3.10	3.24	52.20	47.80	4.40		25		109.19
45 to 50.....	464	238	226		2.57	2.48	2.70	51.29	48.71	2.58		12		105.31
50 to 55.....	516	283	233		2.86	2.95	2.78	54.84	45.16	9.68		50		121.46
55 to 60.....	540	293	247		2.99	3.06	2.95	54.26	45.74	8.52		46		118.62
60 to 65.....	670	384	286		3.71	4.00	3.41	57.31	42.69	14.62		98		134.27
65 to 70.....	679	391	288		3.76	4.08	3.43	57.58	42.42	15.16		103		135.76
70 to 75.....	719	425	294		3.98	4.43	3.51	59.11	40.89	18.22		131		144.56
75 to 80.....	617	356	261		3.42	3.71	3.11	57.70	42.30	15.40		95		136.40
80 to 85.....	452	261	191		2.50	2.72	2.28	57.74	42.26	15.49		70		136.64
85 to 90.....	204	98	106		1.13	1.02	1.26	48.04	51.96	3.92		8		92.45
90 to 95.....	85	35	50		.47	.37	.60	41.18	58.82	17.64		15		70.00
95 to 100.....	25	12	13		.14	.13	.15	48.00	52.00	4.00		1		92.31
100 and over.....	10	4	6		.06	.04	.07	40.00	60.00	20.00		2		66.67
Unknown Ages.	263	152	107	4	1.46	1.59	1.28	58.69	41.31	17.38		45		142.06

TABLE 49.—*Exhibiting the Per Cent of Deaths at Different Ages, for the Years 1873-1884, and the Average for Twelve Years.*

Years.	Under 1 Year.	Under 5 Years.	20 to 30.	All Others.
1873.....	25.00	41.37	9.39	49.24
1874.....	26.98	41.10	9.05	49.85
1875.....	27.59	41.39	8.89	49.72
1876.....	27.24	40.72	8.58	50.70
1877.....	26.11	40.30	8.68	51.02
1878.....	25.22	39.22	8.43	52.35
1879.....	24.68	39.52	8.23	52.25
1880.....	24.66	39.95	7.96	52.09
1881.....	24.20	40.63	9.00	50.37
1882.....	24.38	38.81	8.72	52.47
1883.....	24.83	38.26	9.37	52.37
1884.....	27.22	40.05	9.08	50.87
Average.....	25.68	40.11	8.78	51.11

DEATHS BY MONTHS AT DIFFERENT AGES.

The influence of the season of the year upon the mortality at different periods of life may be seen in Table 50. The teaching of this table for 1884 is that, of the decedents under one year of age, the largest proportion (14.76 per cent) died in the month of August, and that the per cent of decedents under one year of age to decedents at all ages was greater (38.68) in July than in any other month of the year. Of the decedents under five years of age, the month of August has the largest proportion in both cases.

The deaths of children between the ages of five and ten years show the largest proportion for the months of October and November; of persons between the ages of ten and twenty, the largest proportion was in October; of those between the ages of twenty to fifty, the largest proportion was in November; and of those aged fifty and over, the largest proportion was in the month of December.

For 1884, then, the months of greatest mortality for children under five years of age were in the order named, August, September, and October. For adults from 20 to 50 years of age and also for those over 50, the months of greatest mortality were November and December. This corresponds very nearly with the teaching of this table for previous years, and shows that excessive heat is most fatal to infants and excessive cold to old people.

Tables 51 and 52 continue the subject of deaths by ages in detail, and permit of its study by sex of decedents by months of death.

VITAL STATISTICS OF MICHIGAN, 1884.

TABLE 50.—*The Relation of the Deaths at Different Periods of Age to Deaths at All Ages, by Months; and for the same Period of Age, the Relation of the Deaths in Each Month to the Deaths in the Year 1884, According to the Returns.*

Deaths by Ages in Periods of Years.	Year, 1884.*	Months, 1884.											
		Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
.....	18,000	1,067	1,181	1,421	1,862	1,456	1,296	1,520	1,917	1,877	1,752	1,526	1,615
.....	4,905	249	274	337	310	332	327	588	724	653	516	310	385
.....	27.25	22.91	23.20	23.72	22.43	22.80	25.83	38.68	37.77	34.79	29.45	20.31	23.84
.....	100.00	5.08	5.68	6.87	6.32	6.77	6.67	11.99	14.76	11.27	10.52	6.32	7.85
.....	7,217	384	429	486	487	519	405	670	989	967	761	485	562
.....	40.09	35.33	36.33	35.05	35.24	35.65	33.81	44.08	51.59	51.52	43.44	31.78	34.80
.....	100.00	5.32	5.94	6.90	6.75	7.19	6.46	9.28	13.70	13.40	10.55	6.72	7.79
.....	1,005	60	68	87	67	77	74	77	82	83	112	114	109
.....	5.98	5.52	5.83	6.12	4.85	5.29	5.85	5.07	4.28	4.42	6.39	7.47	6.75
.....	100.00	5.97	6.27	8.66	6.67	7.66	7.39	7.66	8.16	8.26	11.14	11.84	10.85
.....	1,221	56	72	112	105	114	83	96	108	122	128	120	103
.....	6.78	5.15	6.10	7.88	7.80	7.83	6.56	6.45	5.63	6.50	7.31	7.96	6.38
.....	100.00	4.59	5.89	9.17	8.90	9.34	6.80	8.08	8.84	9.99	10.46	9.98	8.44
.....	3,807	229	294	324	321	335	290	314	320	311	340	357	352
.....	21.15	21.99	24.89	23.50	23.23	23.01	22.91	20.66	16.69	16.57	19.41	23.39	21.80
.....	100.00	6.28	7.72	8.77	8.43	8.90	7.62	8.25	8.40	8.17	8.98	9.38	9.25
.....	4,504	329	310	376	376	398	331	346	386	366	390	441	465
.....	25.02	30.27	26.25	23.46	27.21	26.05	26.15	22.76	20.14	19.50	22.26	25.90	26.79
.....	100.00	7.31	6.88	8.35	8.35	8.61	7.35	7.88	8.57	8.13	8.66	9.79	10.82
.....	246	19	13	14	26	23	22	15	32	28	21	9	24
.....	1.37	1.75	1.10	.99	1.88	1.58	1.74	.98	1.67	1.49	1.20	.59	1.48
.....	100.00	7.72	6.28	5.69	10.57	9.35	8.94	6.10	13.01	11.38	8.54	8.66	9.76

* Excluding unknown month.

TABLE 51.—*Exhibiting, by Sex and by Age in Periods of Years, the Number of Persons returned as having Died in Michigan during the Year, and in each Month of the Year 1884.*

Ages in Periods of Years.	Sex.	Year, 1884.	Months, 1884.											
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December. Unknown.
All ages	Total.....	18,066	1,087	1,181	1,421	1,382	1,456	1,286	1,520	1,917	1,877	1,752	1,536	1,615 56
	Males.....	9,589	586	610	727	731	748	672	828	1,088	999	939	836	854 31
	Females....	8,385	498	567	685	645	697	586	682	869	868	810	696	761 21
	Unknown....	82	3	4	9	6	11	8	10	10	10	3	4	4
Under 1	Total.....	4,914	249	274	337	310	332	327	588	724	653	516	310	385 9
	Males.....	2,753	144	153	169	175	174	175	284	422	362	303	170	220 2
	Females....	2,064	102	117	159	129	148	146	195	293	281	210	136	165 3
	Unknown....	77	3	4	9	6	10	6	9	9	10	3	4	4
All under 5	Total.....	7,232	384	429	498	487	519	466	670	989	987	761	485	562 15
	Males.....	3,958	203	229	261	272	271	244	380	547	541	427	268	307 8
	Females....	3,196	178	196	228	209	238	216	290	433	416	331	213	255 3
	Unknown....	78	3	4	9	6	10	6	10	9	10	3	4	4
5 to 10	Total.....	1,007	60	63	87	67	77	74	77	82	83	112	114	109 2
	Males.....	493	24	35	43	33	29	41	40	42	39	63	55	49
	Females....	514	36	28	44	34	48	33	37	40	44	49	59	60 2
10 to 15	Total.....	541	32	33	59	42	46	40	46	53	47	51	48	43 1
	Males.....	280	14	12	30	23	17	23	24	29	18	20	26	23 1
	Females....	261	18	21	29	19	29	17	22	24	29	31	22	20
	Total.....	682	24	39	53	63	68	43	52	55	75	77	72	60 1
15 to 20	Males.....	308	14	17	24	31	22	13	25	26	34	36	37	29
	Females....	374	10	22	29	32	46	30	27	29	41	41	35	31 1
	Total.....	880	55	68	71	70	69	71	76	89	70	85	57	68 1
	Males.....	422	28	27	34	32	33	36	34	39	37	38	45	38 1
20 to 25	Females....	458	27	41	37	38	36	35	42	50	33	47	42	30
	Total.....	759	50	65	63	61	75	60	67	58	56	73	62	68 1
	Males.....	358	24	30	30	27	31	23	26	34	21	36	29	46 1
	Females....	401	26	35	33	34	44	37	41	24	35	37	33	22
25 to 30	Total.....	578	35	41	51	54	54	40	43	42	46	47	56	67 2
	Males.....	280	17	19	25	27	21	24	20	20	27	27	26	27
	Females....	298	18	22	26	27	33	16	23	22	19	20	30	40 2

TABLE 51.—CONTINUED.—Deaths by Periods of Age, by Sex, by Months.

Ages in Periods of Years.	Sex.	Year, 1884.	Months, 1884.												
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
35 to 40.	Total	564	27	38	58	51	48	41	45	44	52	49	64	47	...
	Males	281	14	20	26	29	25	23	27	17	24	22	35	19	...
	Females.....	283	13	18	32	22	23	18	18	27	28	27	29	28	...
40 to 45.	Total	569	50	52	46	49	53	46	45	40	42	40	51	54	1
	Males	297	29	33	24	15	36	22	29	16	16	22	27	28	1
	Females.....	272	21	19	22	34	18	24	16	24	26	18	24	26	...
45 to 50.	Total	464	22	30	45	36	36	32	38	47	45	46	37	48	2
	Males	238	10	16	26	15	15	16	20	29	26	20	17	27	1
	Females.....	226	12	14	19	21	21	16	18	18	19	26	20	21	1
50 to 55.	Total	516	31	35	41	49	40	35	39	45	44	50	48	57	2
	Males	283	26	18	23	28	16	16	21	24	21	29	30	30	1
	Females.....	233	5	17	18	21	24	19	18	21	23	21	18	27	1
55 to 60.	Total	540	52	31	46	41	44	32	43	53	39	43	64	52	...
	Males	293	31	17	22	25	27	17	26	28	18	21	38	23	...
	Females.....	247	21	14	24	16	17	15	17	25	21	22	26	29	...
60 to 65.	Total	670	52	40	49	60	62	53	59	52	46	60	68	64	5
	Males	384	38	21	25	32	38	38	26	34	29	29	38	32	4
	Females.....	286	14	19	24	28	24	15	33	18	17	31	30	32	1
65 to 70.	Total	679	60	53	61	42	54	51	56	53	55	57	65	70	2
	Males	391	31	28	31	30	33	29	37	30	31	34	41	31	2
	Females.....	288	29	25	30	12	21	22	19	23	24	23	24	36	...
70 to 75.	Total	719	35	52	61	58	71	61	51	63	69	62	63	69	4
	Males	425	21	29	37	31	47	35	30	33	40	38	41	41	2
	Females.....	294	14	23	24	27	24	26	21	30	29	24	22	28	2
75 to 80.	Total	617	41	50	51	52	50	38	50	59	42	60	62	62	...
	Males	356	22	27	26	25	29	25	33	40	22	37	33	37	...
	Females.....	261	19	23	25	27	21	13	17	19	20	23	29	25	...
80 to 85.	Total	452	28	29	30	46	40	31	29	37	47	36	42	57	...
	Males	261	16	16	16	24	23	22	14	18	30	18	24	35	...
	Females.....	191	12	13	14	22	12	9	15	19	17	18	18	22	...
85 to 90.	Total	204	19	14	21	16	14	24	13	12	18	12	17	24	...
	Males	98	11	6	12	6	12	11	5	4	6	7	7	11	...
	Females.....	106	8	8	9	10	2	13	8	8	12	5	10	13	...
90 to 95.	Total	85	9	4	10	8	11	3	5	10	4	5	9	7	...
	Males	35	2	2	4	5	3	2	3	4	2	2	2	4	...
	Females.....	50	7	2	6	3	8	1	2	6	2	3	7	3	...

DEATHS BY AGES—BY MONTHS.

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TABLE 51.—CONTINUED.—Deaths by Periods of Age, by Sex, by Months.

Periods years.	Sex.	Year, 1884.	Months, 1884.											
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December. Unknown.
0.....	Total.....	25	12	1	3	3	1	12	1	12	12	3	12	3
	Males.....	12	1	1	1	12	1	1	1	1	1	12	1	
	Females.....	13	1	1	2	1		1		1	1	1	1	3
over.....	Total.....	10		1	3	1	1	1				2	1	
	Males.....	4		1		1	1	1						
	Females.....	6			3							2	1	
over 20.....	Total.....	263	19	13	14	26	23	22	15	32	28	21	9	24 17
	Males.....	152	10	7	7	18	14	10	7	23	16	11	6	14 9
	Females.....	107	9	6	7	8	8	10	8	8	12	10	3	10 8
	Unknown.....	4					1	2		1				

VITAL STATISTICS OF MICHIGAN, 1884.

TABLE 52.—*Exhibiting, by Sex and by Months, the Number Returned as having Died in Michigan during the Year 1884 at each and every Age, the Age stated in Twelfths of a Year for those under One Year, and in Years for those over One Year of Age.*

Ages in Years.	Sex.	Year, 1884.	Months, 1884.											
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Under 1-12.....	Total.....	2,099	143	148	175	161	167	154	168	212	214	177	164	212
	Males.....	1,199	85	77	91	94	86	83	100	128	124	106	98	128
	Females..	881	55	67	76	61	71	65	61	77	82	68	62	86
	Unknown	69	3	4	8	6	10	6	7	7	8	3	4	3
1-12.....	Total.....	422	17	23	35	28	37	20	44	59	54	54	27	24
	Males.....	226	10	14	18	14	27	8	26	28	25	30	15	11
	Females..	193	7	9	17	14	10	12	16	30	29	24	12	13
	Unknown	3							2	1				
2-12.....	Total.....	364	11	12	18	22	31	16	43	57	55	48	26	23
	Males.....	196	6	7	12	10	13	12	21	37	28	25	10	14
	Females..	168	5	5	6	12	18	4	22	20	27	23	16	9
	Unknown													
3-12.....	Total.....	365	19	19	17	15	14	35	41	60	62	46	12	25
	Males.....	200	11	11	7	11	9	20	20	34	50	24	7	16
	Females..	164	8	8	10	4	5	15	21	26	31	22	5	9
	Unknown	1								1				
4-12.....	Total.....	268	10	10	8	9	12	19	35	58	47	26	16	17
	Males.....	146	6	6	2	5	4	7	26	28	31	15	5	11
	Females..	121	4	4	6	4	8	12	9	30	16	11	11	6
	Unknown	1												1
5-12.....	Total.....	239	7	7	10	3	10	19	35	50	48	26	11	13
	Males.....	150	5	5	6	1	7	13	21	34	28	18	7	5
	Females..	89	2	2	4	2	3	6	14	16	20	8	4	8
	Unknown													
6-12.....	Total.....	278	11	15	19	19	10	13	33	58	45	33	11	12
	Males.....	155	6	9	9	9	5	4	19	37	25	20	6	6
	Females..	121	5	6	9	10	5	9	14	19	13	5	6	1
	Unknown	2			1					1				
7-12.....	Total.....	214	7	14	9	12	11	13	17	38	40	24	14	15
	Males.....	113	3	9	2	9	5	7	10	22	17	13	9	7
	Females..	101	4	5	7	3	6	6	7	16	23	11	5	8

DEATHS—BY AGES, BY SEX, BY MONTHS.

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TABLE 52.—CONTINUED.—Deaths by Ages, by Sex, by Months.

Ages in Years.	Sex.	Year, 1884.	Months, 1884.											
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December. Unknown.
8-12	Total.....	183	12	10	13	13	10	9	14	41	23	22	6	10
	Males.....	97	3	5	7	8	4	4	9	25	12	12	2	6
	Females..	85	9	5	6	5	6	5	5	15	11	10	4	4
	Unknown	1								1				
9-12	Total.....	168	3	6	7	10	9	8	19	38	20	23	15	10
	Males.....	83	2	5	1	5	3	5	8	16	13	13	6	6
	Females..	85	1	1	6	5	6	3	11	22	7	10	9	4
	Total.....	161	5	7	15	12	12	12	18	27	20	18	5	10
10-12	Males.....	103	3	4	7	8	5	8	14	16	13	14	4	7
	Females..	58	2	3	8	4	7	4	4	11	7	4	1	3
	Total.....	153	4	3	11	6	9	9	21	28	25	19	3	14
	11-12													1
11-12	Males.....	85	4	1	7	1	6	4	10	17	16	13	1	5
	Females..	68		2	4	5	3	5	11	11	9	6	2	9
	Total.....	1,072	47	65	77	69	92	58	91	145	168	120	75	64
	1													1
1	Males.....	563	24	34	42	37	50	24	44	66	104	64	39	34
	Females..	509	23	31	35	32	42	34	47	79	64	56	36	30
	Total.....	567	37	45	41	55	47	32	38	58	73	55	42	43
	2													2
2	Males.....	298	20	24	24	29	27	15	20	27	36	25	27	23
	Females..	268	17	21	17	26	20	17	17	31	37	30	15	20
	Unknown	1						1						
	Total.....	386	30	28	20	31	24	30	34	34	44	38	33	38
3	Males.....	195	8	12	11	18	9	17	24	18	24	17	20	15
	Females..	191	22	16	9	13	15	13	10	16	20	21	13	23
	Total.....	293	21	17	23	22	24	19	19	28	29	32	25	32
	4													2
4	Males.....	149	7	6	15	13	11	13	8	14	15	18	12	15
	Females..	144	14	11	8	9	13	6	11	14	14	14	13	17
	Total.....	280	13	14	29	23	21	19	21	26	20	38	26	30
	5													
5	Males.....	142	8	9	14	14	10	7	8	13	6	22	11	20
	Females..	138	5	5	15	9	11	12	13	13	14	16	15	10
	Total.....	228	14	20	26	4	17	9	7	21	20	25	35	30
	6													
6	Males.....	113	5	15	12	2	2	8	5	8	12	13	18	13
	Females..	115	9	5	14	2	15	1	2	13	8	12	17	17
	Total.....	172	18	7	5	10	22	11	16	16	9	19	22	16
	7													1
7	Males.....	81	6	2	2	4	12	3	7	6	7	13	12	7
	Females..	91	12	5	3	6	10	8	9	10	2	6	10	9
	Total.....													1
	8													

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TABLE 52.—CONTINUED.—Deaths by Ages, by Sex, by Months.

Ages in Years.	Sex.	Year, 1884.	Months, 1884.											
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December. Unknown.
32.....	Total.....	119	5	11	11	8	14	13	10	6	6	9	13	13
	Males.....	60	1	4	6	3	9	9	8	3	3	5	6	7
	Females..	59	4	7	5	5	12	4	2	3	3	4	7	6
33.....	Total.....	113	12	6	14	12	8	6	10	8	13	4	4	16
	Males.....	58	7	3	7	4	5	4	6	5	8	1	2	6
	Females..	55	5	3	7	8	3	2	4	3	5	3	2	10
34.....	Total.....	101	5	11	10	6	10	8	5	12	4	8	11	10
	Males.....	48	3	7	6	4	5	4	3	3	5	5	3	3
	Females..	53	2	4	4	2	5	4	5	9	1	3	6	7
35.....	Total.....	124	10	3	11	9	13	7	13	10	8	16	18	6
	Males.....	66	6	3	3	5	8	5	8	6	3	9	9	1
	Females..	58	4	3	8	4	5	2	5	4	5	7	9	5
36.....	Total.....	107	5	11	12	7	7	6	13	8	8	5	11	14
	Males.....	52	2	6	7	3	3	3	8	3	4	3	5	8
	Females..	55	3	5	5	4	4	3	5	5	4	5	6	6
37.....	Total.....	113	1	9	11	11	12	7	8	7	13	7	15	12
	Males.....	58	1	4	4	6	8	4	6	3	7	3	11	2
	Females..	55	1	5	7	5	4	3	2	4	6	4	4	10
38.....	Total.....	124	5	10	9	16	7	12	6	10	13	17	11	8
	Males.....	57	2	4	5	10	4	4	3	3	5	8	5	4
	Females..	67	3	6	4	6	3	8	3	7	8	9	6	4
39.....	Total.....	96	6	5	15	8	9	9	5	9	10	4	9	7
	Males.....	48	4	3	7	5	2	7	2	2	5	2	5	4
	Females..	48	2	2	8	3	7	2	3	7	5	2	4	3
40.....	Total.....	132	9	15	11	14	15	11	8	7	11	11	11	8
	Males.....	76	8	11	6	4	7	8	7	1	4	8	10	1
	Females..	56	1	4	5	10	8	3	1	6	7	3	1	7
41.....	Total.....	89	9	6	7	5	6	13	9	11	5	5	6	7
	Males.....	44	5	4	3	3	5	6	4	5	1	3	2	3
	Females..	45	4	2	4	2	1	7	5	6	4	2	4	4
42.....	Total.....	113	9	8	11	9	9	8	14	7	9	7	7	15
	Males.....	59	4	4	7	3	7	2	9	4	4	2	4	9
	Females..	54	5	4	4	6	2	6	5	3	5	5	3	6
43.....	Total.....	116	11	15	7	11	11	8	4	9	9	8	16	7
	Males.....	54	7	9	4	1	7	2	2	3	4	4	7	4
	Females..	62	4	6	3	10	4	6	2	6	5	4	9	3

TABLE 52.—CONTINUED.—*Deaths by Ages, by Sex, by Months.*

Ages in Years.	Sex.	Year, 1884.	Months, 1884.												Unknown.
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
44.....	Total.....	119	12	8	10	10	12	6	10	6	8	9	11	17	..
	Males.....	64	5	5	4	4	9	4	7	3	3	5	4	11	..
	Females..	55	7	3	6	6	3	2	3	3	5	4	7	6	..
45.....	Total.....	106	5	6	9	8	8	7	9	12	10	9	12	10	1
	Males.....	59	3	5	7	4	3	5	3	8	3	5	5	7	1
	Females..	47	2	1	2	4	5	2	6	4	7	4	7	3	..
46.....	Total.....	80	4	10	13	7	8	3	10	5	4	4	7	5	..
	Males.....	41	2	4	9	1	2	2	5	3	3	3	4	3	..
	Females..	39	2	6	4	6	6	1	5	2	1	1	3	2	..
47.....	Total.....	77	5	3	6	3	6	7	4	10	8	10	3	12	..
	Males.....	39	2	1	2	2	4	4	4	6	3	5	..	6	..
	Females..	38	3	2	4	1	2	3	..	4	5	5	3	6	..
48.....	Total.....	101	4	7	9	10	8	7	7	7	10	14	7	10	1
	Males.....	48	1	4	4	6	3	1	5	4	9	3	3	5	..
	Females..	53	3	3	5	4	5	6	2	3	1	11	4	5	1
49.....	Total.....	100	4	4	8	8	6	8	8	13	13	9	8	11	..
	Males.....	51	2	2	4	2	3	4	3	8	8	4	5	6	..
	Females..	49	2	2	4	6	3	4	5	5	5	5	3	5	..
50.....	Total.....	109	6	10	7	13	9	4	10	14	5	13	6	11	1
	Males.....	65	5	6	5	9	5	3	4	7	2	10	4	5	..
	Females..	44	1	4	2	4	4	1	6	7	3	3	2	6	1
51.....	Total.....	83	10	2	8	7	6	6	3	1	8	9	11	12	..
	Males.....	43	9	..	4	5	2	2	1	1	4	4	7	4	..
	Females..	40	1	2	4	2	4	4	2	..	4	5	4	8	..
52.....	Total.....	116	4	7	12	7	10	7	13	11	10	12	7	15	1
	Males.....	55	3	3	5	2	3	3	6	4	6	6	4	9	1
	Females..	61	1	4	7	5	7	4	7	7	4	6	3	6	..
53.....	Total.....	94	7	7	8	7	7	9	7	8	8	9	11	6	..
	Males.....	54	6	3	5	5	3	3	5	4	5	6	5	4	..
	Females..	40	1	4	3	2	4	6	2	4	3	3	6	2	..
54.....	Total.....	114	4	9	6	15	8	9	6	11	13	7	13	13	..
	Males.....	66	3	6	4	7	3	5	5	8	4	3	10	8	..
	Females..	48	1	3	2	8	5	4	1	3	9	4	3	5	..
55.....	Total.....	113	11	9	11	10	7	10	7	13	5	11	10	9	..
	Males.....	66	8	6	7	7	5	6	3	9	3	3	6	3	..
	Females..	47	3	3	4	3	2	4	4	4	2	8	4	6	..

VITAL STATISTICS OF MICHIGAN, 1884.

TABLE 52.—CONTINUED.—Deaths by Ages, by Sex, by Months.

Ages in Years.	Sex.	Year, 1884.	Months, 1884.											
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December. Unknown.
56.....	Total.....	127	16	7	11	10	9	8	6	17	14	8	15	16
	Males.....	65	6	3	4	6	6	5	4	6	6	4	7	8
	Females..	72	10	4	7	4	3	3	2	11	8	4	8	8
57.....	Total.....	79	5	6	7	7	10	7	5	6	2	8	10	6
	Males.....	46	5	3	2	2	6	2	3	5	1	4	9	4
	Females..	33	.....	3	5	5	4	5	2	1	1	4	1	2
58.....	Total.....	103	10	3	9	7	5	3	10	18	13	7	14	9
	Males.....	60	7	2	5	5	3	1	7	5	6	4	8	7
	Females..	43	3	1	4	2	2	2	3	8	7	3	6	2
59.....	Total.....	108	10	6	8	7	13	4	15	4	5	9	15	12
	Males.....	56	5	3	4	5	7	3	9	3	2	6	8	1
	Females..	52	5	3	4	2	6	1	6	1	3	3	7	11
60.....	Total.....	169	20	11	16	15	13	15	16	11	8	14	18	11
	Males.....	94	14	7	5	10	9	11	4	5	4	9	11	4
	Females..	75	6	4	11	5	4	4	12	6	4	5	7	7
61.....	Total.....	81	3	2	5	9	7	6	6	7	12	8	5	9
	Males.....	52	2	1	2	3	6	6	5	6	10	1	4	5
	Females..	29	1	1	3	6	1	.....	1	1	2	7	1	4
62.....	Total.....	133	3	8	3	9	15	10	15	8	9	18	18	16
	Males.....	66	1	3	1	5	5	6	5	5	5	7	12	10
	Females..	67	2	5	2	4	10	4	10	3	4	11	6	6
63.....	Total.....	142	12	8	11	10	16	16	10	14	9	6	13	17
	Males.....	86	11	4	6	5	11	10	7	7	6	3	7	9
	Females..	56	1	4	5	5	5	6	3	7	3	3	6	8
64.....	Total.....	145	14	11	14	17	11	6	12	12	8	14	14	11
	Males.....	86	10	6	11	9	7	5	5	11	4	9	4	4
	Females..	59	4	5	3	8	4	1	7	1	4	5	10	7
65.....	Total.....	159	14	7	10	16	18	9	11	14	12	10	17	19
	Males.....	89	7	3	4	12	10	4	8	8	8	5	10	8
	Females..	70	7	4	6	4	8	5	3	6	4	5	7	11
66.....	Total.....	143	12	9	16	7	18	14	11	12	8	5	17	14
	Males.....	84	7	4	9	6	10	8	8	7	3	3	12	7
	Females..	59	5	5	7	1	8	6	3	5	5	2	5	7
67.....	Total.....	123	13	8	10	7	9	11	12	13	15	8	12	10
	Males.....	84	5	7	4	5	7	9	7	9	10	7	9	5
	Females..	44	8	1	6	2	2	2	5	4	5	1	3	5

TABLE 52.—CONTINUED.—Deaths by Ages, by Sex, by Months.

Ages in Years.	Sex.	Year, 1884.	Months, 1884.											
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December. Unknown.
68.....	Total.....	119	13	9	8	5	8	12	9	8	13	16	4	14
	Males.....	62	9	3	6	3	5	4	5	4	4	8	2	9
	Females..	57	4	6	2	2	3	8	4	4	9	8	2	5
69.....	Total.....	130	8	20	17	7	1	5	13	6	7	18	15	13
	Males.....	72	3	11	8	4	1	4	9	2	6	11	8	5
	Females..	58	5	9	9	3	.....	1	4	4	1	7	7	8
70.....	Total.....	125	6	6	11	11	15	8	13	10	12	10	10	12
	Males.....	71	3	3	10	6	9	6	7	7	2	5	7	6
	Females..	54	3	3	1	5	6	2	6	3	10	5	3	6
71.....	Total.....	105	6	9	7	11	7	11	5	9	14	8	10	8
	Males.....	65	6	4	5	5	3	6	2	5	11	5	7	6
	Females..	40	.....	5	2	6	4	5	3	4	3	3	3	2
72.....	Total.....	166	9	14	18	13	20	14	6	18	7	17	14	14
	Males.....	106	5	6	10	7	16	9	5	14	3	12	9	9
	Females..	60	4	8	8	6	4	5	1	4	4	5	5	5
73.....	Total.....	159	5	11	10	10	17	17	14	15	15	12	13	20
	Males.....	78	3	7	3	6	10	11	6	2	8	7	6	9
	Females..	81	2	4	7	4	7	6	8	13	7	5	7	11
74.....	Total.....	164	9	12	15	13	12	11	13	11	21	15	16	15
	Males.....	105	4	9	9	7	9	3	10	5	16	9	12	11
	Females..	59	5	3	6	6	3	8	3	6	5	6	4	4
75.....	Total.....	145	13	8	7	9	13	7	11	16	8	17	21	15
	Males.....	82	7	5	4	3	8	6	9	12	2	11	9	6
	Females..	63	6	3	3	6	5	1	2	4	6	6	12	9
76.....	Total.....	147	7	15	16	16	10	12	7	18	14	14	9	9
	Males.....	81	6	8	8	5	5	5	3	11	7	7	8	8
	Females..	66	1	7	8	11	5	7	4	7	7	7	1	1
77.....	Total.....	109	5	7	7	9	7	9	13	6	8	13	12	13
	Males.....	56	2	3	.....	5	2	7	10	5	5	5	5	7
	Females..	53	3	4	7	4	5	2	3	1	3	.....	7	6
78.....	Total.....	114	10	7	11	8	13	3	14	8	9	7	10	14
	Males.....	77	5	4	8	5	10	2	10	5	6	6	7	9
	Females..	37	5	3	3	3	3	1	4	3	3	1	3	5
79.....	Total.....	102	6	13	10	10	7	7	5	11	3	9	10	11
	Males.....	60	2	7	6	7	4	5	1	7	2	8	4	7
	Females..	42	4	6	4	3	3	2	4	4	1	1	6	4

VITAL STATISTICS OF MICHIGAN, 1884.

TABLE 52.—CONTINUED.—Deaths by Ages, by Sex, by Months.

Ages in Years.	Sex.	Year, 1884.	Months, 1884.											
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December. Unknown.
56.....	Total.....	137	16	7	11	10	9	8	6	17	14	8	15	16
	Males.....	65	6	3	4	6	6	5	4	6	6	4	7	8
	Females..	72	10	4	7	4	3	3	2	11	8	4	8	8
57.....	Total.....	79	5	6	7	7	10	7	5	6	2	8	10	6
	Males.....	46	5	3	2	2	6	2	3	5	1	4	9	4
	Females..	33		3	5	5	4	5	2	1	1	4	1	2
58.....	Total.....	103	10	3	9	7	5	3	10	18	13	7	14	9
	Males.....	60	7	2	5	5	3	1	7	5	6	4	8	7
	Females..	43	3	1	4	2	2	2	3	8	7	3	6	2
59.....	Total.....	108	10	6	8	7	13	4	15	4	5	9	15	12
	Males.....	56	5	3	4	5	7	3	9	3	2	6	8	1
	Females..	52	5	3	4	2	6	1	6	1	3	3	7	11
60.....	Total.....	169	20	11	16	15	13	15	16	11	8	14	18	11
	Males.....	94	14	7	5	10	9	11	4	5	4	9	11	4
	Females..	75	6	4	11	5	4	4	12	6	4	5	7	7
61.....	Total.....	81	3	2	5	9	7	6	6	7	12	8	5	9
	Males.....	52	2	1	2	3	6	6	5	6	10	1	4	5
	Females..	29	1	1	3	6	1		1	1	2	7	1	4
62.....	Total.....	133	3	8	3	9	15	10	15	8	9	18	18	16
	Males.....	66	1	3	1	5	5	6	5	5	5	7	12	10
	Females..	67	2	5	2	4	10	4	10	3	4	11	6	6
63.....	Total.....	142	12	8	11	10	16	16	10	14	9	6	13	17
	Males.....	86	11	4	6	5	11	10	7	7	6	3	7	9
	Females..	56	1	4	5	5	5	6	3	7	3	3	6	8
64.....	Total.....	145	14	11	14	17	11	6	12	12	8	14	14	11
	Males.....	86	10	6	11	9	7	5	5	11	4	9	4	4
	Females..	59	4	5	3	8	4	1	7	1	4	5	10	7
65.....	Total.....	159	14	7	10	16	18	9	11	14	12	10	17	19
	Males.....	89	7	3	4	12	10	4	8	8	8	5	10	8
	Females..	70	7	4	6	4	8	5	3	6	4	5	7	11
66.....	Total.....	143	12	9	16	7	18	14	11	12	8	5	17	14
	Males.....	84	7	4	9	6	10	8	8	7	3	3	12	7
	Females..	59	5	5	7	1	8	6	3	5	5	2	5	7
67.....	Total.....	128	13	8	10	7	9	11	12	13	15	8	12	10
	Males.....	84	5	7	4	5	7	9	7	9	10	7	9	5
	Females..	44	8	1	6	2	2	2	5	4	5	1	3	5

DEATHS—BY AGES, BY SEX, BY MONTHS.

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TABLE 52.—CONTINUED.—Deaths by Ages, by Sex, by Months.

Ages in Years.	Sex.	Year, 1884.	Months, 1884.												
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
68.	Total.....	119	13	9	8	5	8	12	9	8	13	16	4	14	
	Males.....	62	9	3	6	3	5	4	5	4	4	8	2	9	
	Females..	57	4	6	2	2	3	8	4	4	9	8	2	5	
69.	Total.....	130	8	20	17	7	1	5	13	6	7	18	15	13	
	Males.....	72	3	11	8	4	1	4	9	2	6	11	8	5	
	Females..	58	5	9	9	3		1	4	4	1	7	7	8	
70.	Total.....	125	6	6	11	11	15	8	13	10	12	10	10	12	1
	Males.....	71	3	3	10	6	9	6	7	7	2	5	7	6	
	Females..	54	3	3	1	5	6	2	6	3	10	5	3	6	1
71.	Total.....	105	6	9	7	11	7	11	5	9	14	8	10	8	
	Males.....	65	6	4	5	5	3	6	2	5	11	5	7	6	
	Females..	40		5	2	6	4	5	3	4	3	3	3	2	
72.	Total.....	166	9	14	18	13	20	14	6	18	7	17	14	14	2
	Males.....	106	5	6	10	7	16	9	5	14	3	12	9	9	1
	Females..	60	4	8	8	6	4	5	1	4	4	5	5	5	1
73.	Total.....	159	5	11	10	10	17	17	14	15	15	12	13	20	
	Males.....	78	3	7	3	6	10	11	6	2	8	7	6	9	
	Females..	81	2	4	7	4	7	6	8	13	7	5	7	11	
74.	Total.....	164	9	12	15	13	12	11	13	11	21	15	16	15	1
	Males.....	105	4	9	9	7	9	3	10	5	16	9	12	11	1
	Females..	59	5	3	6	6	3	8	3	6	5	6	4	4	
75.	Total.....	145	13	8	7	9	13	7	11	16	8	17	21	15	
	Males.....	82	7	5	4	3	8	6	9	12	2	11	9	6	
	Females..	63	6	3	3	6	5	1	2	4	6	6	12	9	
76.	Total.....	147	7	15	16	16	10	12	7	18	14	14	9	9	
	Males.....	81	6	8	8	5	5	5	3	11	7	7	8	8	
	Females..	66	1	7	8	11	5	7	4	7	7	7	1	1	
77.	Total.....	109	5	7	7	9	7	9	13	6	8	13	12	13	
	Males.....	56	2	3		5	2	7	10	5	5	5	5	7	
	Females..	53	3	4	7	4	5	2	3	1	3	8	7	6	
78.	Total.....	114	10	7	11	8	13	3	14	8	9	7	10	14	
	Males.....	77	5	4	8	5	10	2	10	5	6	6	7	9	
	Females..	37	5	3	3	3	3	1	4	3	3	1	3	5	
79.	Total.....	102	6	13	10	10	7	7	5	11	3	9	10	11	
	Males.....	60	2	7	6	7	4	5	1	7	2	8	4	7	
	Females..	42	4	6	4	3	3	2	4	4	1	1	6	4	

INFANT MORTALITY.

As might be expected there were a greater number of still-births returned for the year 1884 than for any previous year; still the proportion of still-born children to all children born, was not as great as in some previous years. As shown by Table 53, the per cent of still-births to total deaths was greater in 1884 than the average for ten years 1874-1883, but less than the per cent for 1883.

TABLE 53.—*The Relation of Still-births to all Deaths returned for the Years 1882, 1883, 1884, and the Average for Ten Years, 1874-1883, Corrected by means of the Returns of Births.*

	Total Deaths and Still-births.			
	1882.	1883.	1884.	Average for 10 Years, 1874-1883.
All deaths.....	16,425	16,906	18,766	14,568
Number of still-births.....	792	884	919	711
Per cent of still-births to total deaths.....	4.82	5.23	5.09	4.88

Table 54, though somewhat complicated in its construction, may be easily understood by a little careful study. It comprises four distinct showings or exhibits, and in order to more easily comprehend each, and all of these combined, it will be advisable to study the table in parts.

The months of the year, as arranged at the left of the table, represent the months during which the deaths occurred. The numbers as arranged at the top of the table, indicate the ages in months of those who died during each month of the year.

In order to clearly understand the use or object of the heavy angling line running through the table, it will be well to study separately two or three of the horizontal lines of figures representing the deaths which occurred during each month by ages, beginning with January. This being the first month of the year of death, it will be seen by a little reflection, that all who died during the month of January under one month of age, were also born during the same month, being the first month of the year of death; while those who died at *one month* of age were born in December, the last month of the previous year.

Hence there is drawn a short perpendicular line between those *under* one month of age, and those *at* one month of age, thus separating those who were born during the year of death from those who were born during the previous year.

Take again the month of February: it will readily be seen that those dying at one month of age were born in January, the *first* month of the year of death, while those dying at two months of age, were born in December, the *last* month of the previous year. Here the short perpendicular line is drawn between those at *one* month of age and those at *two* months of age, thus separating, as for the month of January, those who were born during the year of death from those who were born during the previous year.

These short per-
pendicular heavy angling

al lines make up the
table, separating, for all

DEATHS—BY AGES, BY SEX, BY MONTHS.

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TABLE 52.—CONTINUED.—Deaths by Ages, by Sex, by Months.

Ages in Years.	Sex.	Year, 1884.	Months, 1884.											
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December. Unknown.
92	Total	14			1		2		2	1	2	1	3	2
	Males	4							1		1			2
	Females	10			1		2		1	1	1	1	3	
93	Total	13	3	2		2	4			1	1			
	Males	6		1		2	2			1				
	Females	7	3	1			2				1			
94	Total	8	1	1						4			1	1
	Males	2								1				1
	Females	6	1	1						3			1	
95	Total	6			2	1					1	2		
	Males	3			1	1						1		
	Females	3			1						1	1		
96	Total	8	1	1		1		1		2	1		1	
	Males	3								1	1		1	
	Females	5	1	1		1		1		1				
97	Total	4	1		1								1	1
	Males	1	1											
	Females	3			1								1	1
98	Total	5				1	1	1				1		1
	Males	4				1	1	1				1		
	Females	1												1
99	Total	2							1					1
	Males	1							1					
	Females	1												1
100 and over	Total	10		1	3	1	1	1				2	1	
	Males	4		1		1	1	1						
	Females	6			3							2	1	
Unknown	Total	363	19	13	14	26	23	22	15	32	28	21	9	24
	Males	152	10	7	7	18	14	10	7	23	16	11	6	14
	Females	107	9	6	7	8	8	10	8	8	12	10	3	10
Unknown	Unknown	4					1	2		1				

VITAL STATISTICS OF MICHIGAN, 1884.

TABLE 54.—Exhibiting, by Sex, the Number of Children under One Year of Age returned as having Died in Michigan during the Year 1884; distinguishing the Months in which they Died, their Age in Months at Death, the Months in which they were Born, and whether Born in the Year of Death or in the previous Year.*

Months in which Births and Deaths Occurred.	Number Born in each Month of Year of Death.		Number of Children who Died at each Age in Months.											Number born in each Month of Year previous to Year of Death.		Deaths by Months.			
	Total.	Sex.	Number of each	-1.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.			Number of each	Total.	Year.
January	383	Males .. Females ..	214 149	85 58	10 7	6 5	11 8	6 4	5 2	6 5	3 4	3 9	2 1	3 2	4				
February	412	Males .. Females ..	221 191	77 67	14 9	7 5	11 8	6 4	5 2	9 6	9 5	5 1	5 3	4 2	4				
March	430	Males .. Females ..	244 186	91 76	18 17	12 6	7 10	2 6	6 4	9 7	2 6	7 6	1 8	7 4	4				
April	412	Males .. Females ..	244 168	94 61	14 14	10 12	11 4	5 2	1 2	9 10	8 3	5 5	4 4	5 8	1				
May	379	Males .. Females ..	211 168	86 71	27 10	13 18	9 5	4 8	7 3	5 5	4 6	3 6	5 7	3 3	16 23				
June	357	Males .. Females ..	204 153	83 65	8 12	12 4	20 15	7 12	13 6	4 9	7 6	4 5	8 3	4 4	23 22				
July	340	Males .. Females ..	180 159	100 61	26 16	21 23	20 21	23 9	21 14	19 14	10 7	8 5	14 4	10 11	26 23				

DEATHS—INFANT MORTALITY.

[illegible]

• Excluding 2 males and 3 females, month of death unknown; and 77 deaths of persons of unknown sex,—82 in all.

VITAL STATISTICS OF MICHIGAN, 1884.

TABLE 55.—Of the Children Born in 1883, the Number who Died during the Year 1883; the Number who Died during the Year 1884 under One Year of Age, and the Per Cent of Deceatants aged under One Year to the Children Born in 1883, according to the Returns.

Months of Births.	Born in 1883.					Males Born in 1883.					Females Born in 1883.				
	Births in 1883, as Returned.	Died during the year 1883.	Died Aged under 1 Year during the Year 1884.	Total Died Aged under 1 Year.	Per Cent of Deaths under 1 to Births.	Births of Males, 1883, as Returned.	Died during the year 1883.	Died Aged under 1 Year during the Year 1884.	Total Died Aged under 1 Year.	Per Cent of Deaths under 1 to Births.	Births of Females, 1883, as Returned.	Died during the year 1883.	Died Aged under 1 Year during the Year 1884.	Total Died Aged under 1 Year.	Per Cent of Deaths under 1 to Births.
Total*	40,767	3,381	863	4,244	10.41	21,173	1,915	477	2,392	11.30	19,514	1,466	386	1,852	9.49
January	2,654	283		283	10.66	1,359	169		169	12.44	1,292	114		114	8.82
February	2,734	315	4	319	11.67	1,375	175	4	179	13.02	1,350	140		140	10.37
March	3,312	344	8	352	10.63	1,724	178	4	182	10.56	1,583	168	4	170	10.74
April	3,455	338	21	359	10.39	1,763	180	13	193	10.95	1,686	164	8	166	9.85
May	3,667	322	39	361	9.94	1,923	171	16	187	9.72	1,738	151	23	174	10.01
June	3,353	309	45	354	10.62	1,778	189	23	212	11.82	1,547	120	22	142	9.18
July	3,576	324	69	393	10.99	1,825	191	36	227	12.44	1,745	133	33	166	9.51
August	3,765	293	86	379	10.07	1,966	168	45	213	10.83	1,793	125	41	166	9.26
September	3,694	276	111	387	10.48	1,948	156	69	225	11.55	1,736	120	42	162	9.23
October	3,664	213	149	362	9.61	1,885	115	81	196	10.40	1,769	88	66	156	8.82
November	3,358	192	155	347	10.33	1,798	105	83	188	10.46	1,554	87	72	159	10.33
December	3,555	182	176	358	10.07	1,859	118	103	221	12.08	1,721	64	73	137	7.96

* Excluding 43 in unknown month, 23 males, 18 females, and 1 unknown sex.

RELATIONS OF DEATHS OF CHILDREN TO BIRTHS.

The excess of infant-mortality, which has been referred to on preceding pages, may be still further studied in Tables 54, 55, and 56.

Table 55 gives, by sex, the ratio of deaths under one year to the births in 1883. By this it appears that to every one hundred children born in Michigan in 1883, about ten children under one year old died. Of the 21,173 male children who were born in 1883, 2,392 or 11.30 per cent of them died before the age of one year. Of the 19,514 females born in 1883, 1,852 or 9.49 per cent of them died before their first birthday. These percentages correspond very nearly with the average for the ten years 1874-1883, the total being 10.52, that for males 11.48, and for females 9.52. It is thus seen that of all the children who died before the age of one year, the proportion is greater among males than among females, the average annual excess of males being about two per cent.

The largest per cent of children born in 1883 who died aged under one year to the total number of births returned for 1883 was in February. In the table before us, the per cent of the children born in the several months who died before the age of one year, is seen to be quite uniform throughout the year, but in the average for ten years 1874-1883, a larger per cent of the children born in the first four months of the year die before their first birthday than those born in the later months of the year. That is, children born during the fore part of the year were more liable to die before the age of one year than those born in the latter part of the year.

Table 56 shows the relative influence of season upon the mortality of children born in each month of 1883, who died under one year of age. By the third column from the last, it appears that a very large proportion of these deaths occurred during the month of birth, the per cent ranging from 39.55 in June to 52.71 in September, the average per cent being 46.54. The last column shows what per cent of the children born in each month of the year 1883 died during the month of birth. On an average nearly five per cent of the children died during the month of birth. The largest per cent appears for September and the smallest for October. It may also be seen that of the 4,244 children born in 1883, who died under one year, 1,975 died in the month of birth, 373 lived to the age of one month, 275 lived to the age of two months.

TABLE 56.—The Months of Births and of Deaths of Children Born in 1883 who died under One Year of Age.

Months of Births, 1883.	Months of Deaths, 1883.												Months of Deaths, 1884.												Per Cent Died Aged under 1 month. ^a	Births in 1883, as Re- turned. ^b	Per Cent of Children who died aged un- der 1 month to all Chil- dren born. ^c
	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.			
Born in 1883, died aged under 1 year.	4,244	131	154	228	232	225	347	456	428	311	288	300	106	103	106	84	71	64	80	133	65	37	3	44.52	40,767	4.75	
January	283	126	22	23	14	12	11	20	16	18	4	2	15												2,654	4.83	
February	319	132	35	19	16	13	24	25	26	13	4	8	4												2,734	5.07	
March	352		108	33	13	18	23	38	25	11	7	8	5	3											3,312	4.80	
April	359			166	24	15	26	44	20	20	10	13	3	7	11										3,455	4.89	
May	361				161	28	34	43	19	16	11	10	12	6	15	6									3,667	4.20	
June	354					140	42	40	43	18	9	17	7	10	7	12	9								3,333	4.98	
July	383						178	58	40	16	10	22	11	14	13	10	12	9							3,576	5.15	
August	370							194	33	28	18	20	7	15	9	13	9	12	21						3,765	5.32	
September	387								204	32	18	22	10	7	18	12	10	8	18	28					3,694	4.18	
October	332									153	28	22	19	10	10	19	11	9	19	27	25				3,664	5.09	
November	347										171	21	11	19	8	8	10	13	14	28	20	19			3,338	5.12	
December	358											182	17	12	17	9	10	13	17	40	20	18	3	46.54	3,555	4.84	
Deaths at each Age. ^b Months	4,244											1975	373	275	271	198	177	204	156	172	138	156	153				
												1	1	2	3	4	5	6	7	8	9	10	11				

^a That is, per cent of children who died during month of birth to total born in 1883 who died aged under one year.^b Excluding 43 in unknown month, 23 males, 18 females, and 1 of unknown sex.^c That is, of the children born in 1883, the per cent who died during month of birth, according to the returns of births and deaths. It should be borne in mind that probably a larger proportion of the births and of the deaths are returned for the later months of the year.

Table 57 shows, by sex and months, during 1884, the relation of decedents aged under one month to births. The per cent of such deaths to births for the year 1884 was 5.19, for the year 1882, 4.97, for the year 1883, 5.05, for the year 1881, 5.28, and for the year 1880, 4.75. The average per cent for the ten years 1874-1888 was 4.75 for total, 5.15 for males, and 4.09 for females. It will be noticed that the per cent is greater for the males than for the females.

TABLE 57.—*The relation, by Months, of the Decedents Aged under One Month to the Births returned for the Year 1884.*

Sex, etc., Specified.	Year, 1884.	Months, 1884.												
	Jan.	Feb.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.	Unk.	
Births	40,408	2,748	2,878	3,408	3,430	3,480	3,407	3,482	3,673	3,559	3,445	3,215	3,544	49
Deaths aged under one month *	2,099	143	148	175	161	167	154	168	212	214	177	164	212	4
Per cent of deaths to births	5.19	5.20	5.14	5.00	4.69	4.80	4.52	4.82	5.77	6.01	5.14	5.10	5.98	8.16
Births	20,908	1,421	1,490	1,831	1,795	1,744	1,777	1,789	1,918	1,872	1,788	1,655	1,810	18
Deaths aged under one month	1,199	85	77	91	94	86	83	100	128	124	106	98	136	1
Per cent of deaths to births	5.73	5.98	5.17	4.97	5.24	4.93	4.67	5.59	6.67	6.62	5.93	5.92	6.96	5.56
Births	19,414	1,322	1,385	1,690	1,627	1,724	1,624	1,684	1,747	1,676	1,651	1,556	1,731	27
Deaths aged under one month	881	55	67	76	61	71	65	61	77	82	68	62	86	---
Per cent of deaths to births	4.28	4.16	4.84	4.58	3.75	4.12	4.00	3.62	4.41	4.89	4.12	3.98	4.97	---
Births	86	5	3	7	8	12	6	9	8	11	6	4	3	4
Deaths aged under one month	69	3	4	8	6	10	6	7	7	8	3	4	---	3
Unknown.														

* Still-births included.

VITAL STATISTICS OF MICHIGAN, 1884.

*Exhibiting, by Sex, the Number of Children under One Year of Age returned as having Died in Michigan during the Year distinguishing the Months in which they Died, their Age in Months at Death, the Months in which they were Born, and whether Born in the Year of Death or in the previous Year.**

Months in which Births and Deaths Occurred.	Number Born in each Month of Year of Death.		Number of Children who Died at each Age in Months.												Number born in each Month of Year previous to Year of Death.		Deaths by Months.						
	Total.	Sex.	Number of each Sex.	-1.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Number of each Sex.	Total.	Of those Born in Year of Death.		Of those Born in Previous Year.		All aged under 1 Year.	
																		Sex.	Total.	Sex.	Total.	Sex.	Total.
January	383	Males Females	214 149	85 55	10 7	6 5	11 8	6 4	5 2	6 5	3 4	3 9	2 1	3 2	4			85 55	59 47	144 108	246		
February	412	Males Females	221 191	77 67	14 9	7 5	11 8	6 4	5 2	9 6	9 5	5 5	5 1	4 3	2	4	4	91 76	62 41	168 117	270		
March	430	Males Females	244 186	91 76	18 17	12 6	7 10	2 6	9 4	9 9	2 7	6 6	8 4	4 4	8			121 99	48 60	169 156	328		
April	412	Males Females	244 168	94 61	14 14	10 12	11 4	5 4	2 2	9 10	8 3	5 5	8 4	5 5	13 8	21	21	129 91	46 38	175 129	304		
May	379	Males Females	211 168	86 71	27 10	13 16	9 5	4 8	7 3	5 5	5 6	4 6	3 7	5 3	16 23	39	39	139 112	35 36	174 148	322		
June	357	Males Females	204 153	83 65	8 12	12 4	20 15	7 12	13 6	4 9	7 6	4 5	8 3	4 5	23 22	45	45	143 114	32 32	175 146	321		
July	349	Males Females	190 159	100 61	26 16	21 22	20 21	26 9	21 14	19 14	10 7	9 5	8 11	14 4	36 33	69	69	223 157	51 38	284 196	479		

DEATHS—INFANT MORTALITY.

[illegible]

* Excluding 2 males and 3 females, month of death unknown; and 77 deaths of persons of unknown sex,—82 in all.

VITAL STATISTICS OF MICHIGAN, 1884.

TABLE 55.—Of the Children Born in 1883, the Number who Died during the Year 1883; the Number who Died during the Year 1884 under One Year of Age, and the Per Cent of Decedents aged under One Year to the Children Born in 1883, according to the Returns.

Months of Births.	Born in 1883.				Births of Males, 1883, as Returned.	Males Born in 1883.				Births of Females, 1883, as Returned.	Females Born in 1883.			
	Births in 1883, as Returned.	Died Aged under 1 Year during the Year 1883.	Total Died Aged under 1 Year.	Per Cent of Deaths under 1 to Births.		Died Aged under 1 Year during the Year 1883.	Total Died Aged under 1 Year.	Per Cent of Deaths under 1 to Births.	Died during the year 1883.		Died Aged under 1 Year during the Year 1883.	Total Died Aged under 1 Year.	Per Cent of Deaths under 1 to Births.	
Total •	40,767	3,381	863	10.41	21,173	1,915	477	2,392	11.30	19,514	1,466	386	1,852	9.49
January	2,654	283	—	10.66	1,359	169	—	169	12.44	1,292	114	—	114	8.82
February	2,734	315	4	11.67	1,375	175	4	179	13.02	1,350	140	—	140	10.37
March	3,312	344	8	10.63	1,724	178	4	182	10.56	1,583	166	4	170	10.74
April	3,455	338	21	10.39	1,763	180	13	193	10.95	1,696	158	8	166	9.86
May	3,667	322	39	9.84	1,923	171	16	187	9.72	1,738	151	23	174	10.01
June	3,353	369	45	10.62	1,778	189	23	212	11.92	1,547	120	22	142	9.18
July	3,576	324	69	10.90	1,825	191	36	227	12.44	1,745	133	33	166	9.51
August	3,765	293	89	10.07	1,906	168	45	213	10.83	1,793	125	41	166	9.26
September	3,694	276	111	10.48	1,948	156	69	225	11.55	1,736	120	42	162	9.33
October	3,694	203	149	9.61	1,885	115	81	196	10.40	1,769	88	68	156	8.82
November	3,358	192	155	10.33	1,798	105	83	188	10.46	1,554	87	72	159	10.23
December	3,555	182	176	10.07	1,879	118	103	221	12.06	1,721	64	73	137	7.96

• Excluding 42 in unknown month, 23 males, 18 females, and 1 unknown sex.

TABLE 56.—The Months of Births and of Deaths of Children Born in 1883 who died under One Year of Age.

Months of Births, 1883.	Months of Deaths, 1883.												Months of Deaths, 1884.												Per Cent of Children who Died aged under 1 month.	Births in 1883, as returned.	Per Cent of Children who Died aged under 1 month to all Children born.		
	Months of Deaths, 1883.												Months of Deaths, 1884.																
	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.					
Born in 1883, died aged under 1 year.	4,244	Died under 1 year.	4,244	Died under 1 year.	4,244	Died under 1 year.	4,244	Died under 1 year.	4,244	Died under 1 year.	4,244	Died under 1 year.	4,244	Died under 1 year.	4,244	Died under 1 year.	4,244	Died under 1 year.	4,244	Died under 1 year.	4,244	Died under 1 year.	4,244	Died under 1 year.					
January.	283	126	22	23	14	12	11	20	16	18	4	2	15	106	108	108	84	71	64	80	133	65	37	3					
February.	319	132	35	19	16	13	24	25	26	13	4	8	4	106	108	108	84	71	64	80	133	65	37	3					
March.	352	168	33	13	18	23	38	25	11	7	8	5	3	106	108	108	84	71	64	80	133	65	37	3					
April.	359	166	24	15	26	44	20	20	10	13	3	7	11	106	108	108	84	71	64	80	133	65	37	3					
May.	381	161	28	34	43	19	16	11	10	12	6	15	6	106	108	108	84	71	64	80	133	65	37	3					
June.	354	140	42	40	43	18	9	17	7	10	7	12	9	106	108	108	84	71	64	80	133	65	37	3					
July.	383	178	58	40	16	10	22	11	14	13	10	12	9	106	108	108	84	71	64	80	133	65	37	3					
August.	379	194	33	28	18	20	7	15	9	13	9	12	9	106	108	108	84	71	64	80	133	65	37	3					
September.	387	204	32	18	22	10	7	18	12	10	8	18	28	106	108	108	84	71	64	80	133	65	37	3					
October.	352	153	28	22	19	10	10	19	11	9	19	27	25	106	108	108	84	71	64	80	133	65	37	3					
November.	347	171	21	11	19	8	3	10	13	14	38	20	19	106	108	108	84	71	64	80	133	65	37	3					
December.	358	182	17	12	17	9	10	13	17	40	20	18	3	106	108	108	84	71	64	80	133	65	37	3					
Deaths at each Age.	4,244	1975	373	276	271	198	177	204	156	172	136	156	163	40,767	44,52	41,38	47,73	46,24	44,60	38,55	3,383	4,20	4,98	5,15	5,52	4,18	5,09	5,12	4,84

^a That is, per cent of children who died during month of birth to total born in 1883 who died aged under one year.

^b Excluding 42 in unknown month, 23 males, 18 females, and 1 of unknown sex.

^c That is, of the children born in 1883, the per cent who died during month of birth,—according to the returns of births and deaths. It should be borne in mind that probably a larger proportion of the births and of the deaths are returned for the later months of the year.

Table 57 shows, by sex and months, during 1884, the relation of decedents aged under one month to births. The per cent of such deaths to births for the year 1884 was 5.19, for the year 1883, 4.97, for the year 1882, 5.05, for the year 1881, 5.28, and for the year 1880, 4.75. The average per cent for the ten years 1874-1883 was 4.75 for total, 5.15 for males, and 4.09 for females. It will be noticed that the per cent is greater for the males than for the females.

TABLE 57.—*The relation, by Months, of the Decedents Aged under One Month to the Births returned for the Year 1884.*

Sex, etc., Specified.	Year, 1884.	Months, 1884.												
	Jan.	Feb.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.	Unk.	
Total.....	Births.....	40,408	2,748	3,408	3,430	3,490	3,407	3,432	3,673	3,559	3,445	3,215	3,544	49
	Deaths aged under one month.....	2,099	143	148	175	161	167	154	168	212	177	164	212	4
	Per cent of deaths to births.....	5.19	5.20	5.14	5.00	4.69	4.80	4.52	4.82	5.77	5.14	5.10	5.98	8.16
Males.....	Births.....	20,908	1,421	1,490	1,831	1,795	1,744	1,777	1,769	1,918	1,798	1,655	1,810	18
	Deaths aged under one month.....	1,199	85	77	91	94	86	83	100	128	106	98	136	1
	Per cent of deaths to births.....	5.73	5.98	5.17	4.97	5.24	4.93	4.67	5.59	6.67	5.93	5.92	6.96	5.56
Females.....	Births.....	19,414	1,322	1,895	1,690	1,697	1,724	1,624	1,684	1,747	1,651	1,556	1,731	27
	Deaths aged under one month.....	881	55	67	76	61	71	65	61	77	68	62	86	.....
	Per cent of deaths to births.....	4.28	4.16	4.84	4.58	3.75	4.12	4.00	3.62	4.41	4.89	4.12	4.97	.....
Unknown.....	Births.....	86	5	3	7	8	12	6	9	8	11	6	4	3
	Deaths aged under one month.....	69	3	4	8	6	10	6	7	7	8	3	4	3

* Still-births included.

DEATHS OF CENTENARIANS.

Table 58 gives the names of persons who died in Michigan during 1884 aged one hundred years and over, and certain details concerning them. Of these, 4 were males and 6 were females, and 3 were natives of Michigan.

It is improbable that all the ages given are absolutely correct, but they are the ones given in the returns made to this department, and as nearly correct as it is possible to get them.

TABLE 58.—*Exhibiting certain Details concerning Persons returned as having died aged One Hundred Years and over during the Year 1884.*

Names of Centenarians, 1884.	Sex.	Color.	Married, Single, Wid.	Birthplace.	Age.		Occupation.	Place of Death.		Date of Death, 1884.		Cause of Death.
					Years.	Months. Days.		Town.	County.	Month.	Day.	
Angeline Lalonde.....	Female	White	Widow	Unknown	100		None	South Arm	Charlevoix	March	4	Old age.
James Stevens.....	Male	White	Married	Michigan	110		Blacksmith	Harbor Springs	Emmet	June	16	Old age.
Catherine Marn.....	Female	White	Widow	Delaware	116	3	None	Alamo	Kalamazoo	March	19	Old age.
Andrew Matoon.....	Male	White	Married	New York	100	3	Farmer	Attica	Lapeer	February	29	Old age.
Sag-aw-law.....	Male	Indian	Married	Michigan	110		Farmer	Garfield	Mackinac	May		Old age.
Ellen Farley.....	Female	White	Widow	Ireland	103		Housewife	Marquette City	Marquette	March	10	Old age.
Margaret Belhumer.....	Female	White	Widow	Canada	114	3	Housewife	Negaunee City	Marquette	October	31	Old age.
Celia Trombly.....	Female	White	Widow	Michigan	103	6	None	Detroit	Wayne	November	22	Old age.
Toby Smith.....	Male	Black	Unk	Unknown	107		Gardener	Niles	Berrien	April	23	Pneumonia
Hannah Ackers.....	Female	White	Widow	New Jersey	106	2	Unknown	Noltawa	St. Joseph	October	29	Old age.

TOWNSHIPS IN WHICH NO DEATHS OCCURRED.

Table 60 shows the townships in which it was reported that no deaths occurred in 1884 and the population of such townships. It seems almost ridiculous to suppose that for an entire year there were no deaths in these townships, some of which have a population of over 1,000, and one (Alcona) a population of 1,722.

TABLE 60.—*Counties and Townships in which it is reported that no Deaths occurred in 1884.*

Counties.	Townships; No Deaths in 1884.	Population.			Counties.	Townships; No Deaths in 1884.	Population.		
		Total.	Males.	Females.			Total.	Males.	Females.
Total		20,330	12,378	7,952					
Alcona	Alcona	1,722	1,138	584	Kalkaska	Cold Springs	128	68	60
Antrim	{ Starr	237	129	108	Lake	{ Dover	230	152	78
	{ Torch Lake	228	122	106		{ Glencoe	72	40	32
Arenac	{ Arenac	584	339	245		{ Webber	219	147	72
	{ Whitney	319	227	92	Mackinac	{ Brevort	306	178	127
	{ Almira	386	216	170		{ Holmes	856	446	410
Benzie	{ Colfax	179	91	88		{ Newton	232	134	98
	{ Weldon	120	77	43	Manistee	{ Marilla	281	160	121
Charlevoix	{ Resort	194	100	94		{ Springdale	108	63	45
Clare	{ Summerfield	196	113	83		{ Forsyth	146	87	59
	{ Beaver Creek	182	92	90	Marquette	{ Richmond	370	205	165
Crawford	{ Grove	177	107	70		{ Turin	106	65	40
	{ Blaine					{ Branch	476	296	180
	{ Baldwin	345	199	146	Midland	{ Greendale	50	24	26
Delta	{ Maple Ridge	175	100	75		{ Lincoln	286	196	90
	{ Winona	74	45	29	Montcalm	Fairplain	1,219	651	568
	{ Bliss	254	140	114	M'tmor'cy	{ Albert	80	49	31
Emmet	{ Carp Lake	186	103	83		{ Briley	226	125	101
	{ Clement	54	30	24		{ Beaver	300	177	123
	{ Gladwin	373	209	164	Newaygo	{ Brooks	1,055	590	465
Gladwin	{ Sage	112	69	43		{ Everett	642	352	290
	{ Tobacco	99	59	40		{ Goodwill	422	280	142
	{ Colfax	629	348	281	Oceana	{ Monroe	562	344	218
Huron	{ Grant	220	139	81		{ Sherman	517	282	235
Iosco	{ Sherman	199	147	52		{ Colfax	128	65	63
	{ Thompson	42	26	16		{ Otto	159	97	62

TOWNSHIPS IN WHICH NO DEATHS OCCURRED.

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TABLE 60.—Continued.

Counties.	Townships; No Deaths in 1884.	Population.			Counties.	Townships; No Deaths in 1884.	Population.		
		Total.	Males.	Females.			Total.	Males.	Females.
Ogemaw	Damon	200	138	122	Otsego	Charlton	208	169	39
	Foster	209	157	142		Hayes	201	110	91
	Hill	30	20	10	Roscommon	Gerrish	251	193	58
	Horton	228	135	96		Roscommon	161	104	57
	Klacking	284	152	182	Schoolcraft	Germfask	180	136	44
	Rose	145	76	69		Hanover	140	75	65
Ontonagon ..	Carp Lake	1,117	1,069	48	Wexford	Liberty	206	114	92
Oscoda	Elmer	77	43	34					
	Greenwood	83	39	44					

VITAL STATISTICS OF MICHIGAN, 1884.

TABLE 61.—*Exhibiting, for the State and Counties, by Sex, the Number of Deaths returned in each Month of the Year 1884, and the Number of Deaths at each Period of Age.*

State and counties.	Sex.	Year, 1884.	Months, 1884.												Ages in Periods of Years, 1884.																			
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.	
Yuma	Total.....	18,056	1,067	1,181	1,421	1,382	1,456	1,266	1,520	1,917	1,877	1,762	1,615	1,56	7,322	1,007	541	682	880	759	578	564	500	404	516	540	670	679	719	617	778	283		
	Males.....	9,580	586	610	727	748	672	828	1,048	999	939	899	854	31	3,958	493	280	306	422	358	290	281	297	228	293	293	384	391	425	356	410	152		
	Females.....	8,385	498	567	685	687	596	692	869	869	888	810	696	761	21	3,106	514	261	374	459	401	268	263	272	226	223	247	286	298	294	261	266	107	
	Unknown.....	82	3	4	9	6	11	8	10	10	10	10	3	4	4	78																	4	
Yavapai	Total.....	18	1		1	2	5			2	3	2	1		8	1	2	2		1		1		1	1	1								
	Males.....	9	1			4						2	1		4		2			1				1										
	Females.....	9			1	1	1			2	3				4			2																
	Total.....	332	16	26	20	31	35	24	21	36	48	39	16	30	116	8	7	9	23	13	9	14	10	14	13	14	19	15	19	11	13	5		
Allegan	Total.....	187	9	11	11	15	23	16	10	19	25	22	8	18	68	3	3	3	6	5	1	8	7	10	9	7	14	12	16	5	5	5		
	Males.....	145	7	15	9	16	12	8	11	17	23	7	8	12	48	5	4	6	17	8	6	3	4	7	6	3	4	7	5	3	6	8		
	Females.....	92	8	8	7	14	8	7	5	16	6	7	1	5	35	5	1	2	6	7	4	6	5	2	2	3	1						12	
	Total.....	56	6	7	4	8	5	5	5	8	3	1		4	16	5	1	4	6	1	3	5	2	1	3								8	
Alpena	Total.....	36	2	1	3	6	3	2		8	3	6	1	1	20			1	2	1	3	3											4	
	Males.....	51	3	2	1	5	2	4	5	8	6	11	4		30	3	1		2	1	2	1	3	2	1	1	2							
	Females.....	28	1	1	1	3	2	2	3	5	1	7	3		17	1	1		2	1	1	1	1	1	1	1	1	1						
	Total.....	23	3												13	2			2	1		2												
Antrim	Total.....	39	2	2	4	3	2	2	5	5	3	5	5	1	21		1	2	5	2	2												2	1
	Males.....	24	2	2	2	2	1	1	1	2	2	4	4	1	16				1	1	2	1											2	1
	Females.....	15			2	1	1	1	4	3	1	1	1		6		1	1	4															
	Total.....																																	

DEATHS—BY COUNTIES, BY SEX, BY MONTHS, BY AGE.

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Baraga	Total	30	3	3	3	4	2	4	3	4	3	1	18	1	3	2	2	1	1	1
	Males	16	2		2	3		2	1	2	2	1	8		1	2	1	1		1
	Females	14	1	3	1	1		2	2	2	1		10			1	1			1
Barry	Total	188	8	5	12	14	10	13	13	14	19	19	16	1	39	5	4	4	12	7
	Males	90	6	1	8	8	7	8	11	8	9	8	8		25	2	1	2	6	2
	Females	98	2	4	4	6	3	5	2	6	6	10	11	8	14	3	3	2	6	5
Bay	Total	562	37	37	38	56	43	44	67	83	58	47	34	48	360	28	10	17	31	27
	Males	299	21	18	18	33	15	20	36	37	36	23	16	28	186	12	4	11	10	13
	Females	263	16	19	20	23	28	24	31	46	22	24	18	22	164	16	6	6	21	14
Benzie	Total	39	1	2	1	3	5	8	2	5	3	2	4	3	21	1	1	2	4	1
	Males	15		2	1			3	1	3	1		3	1	10	1		1	1	1
	Females	24	1			3	5	5	1	2	2	2	1	2	11		1	2	3	2
Berrion	Total	239	23	18	21	22	21	22	26	37	32	23	18		98	10	5	15	18	10
	Males	123	15	11	6	8	11	11	14	12	20	16	16	12	57	4	1	6	3	5
	Females	134	10	12	12	11	11	10	8	14	17	16	7	6	38	6	4	9	12	7
Branch	Unknown	3	1			2									3					
	Total	222	14	19	22	15	18	19	15	16	20	29	22	23	64	10	1	10	11	9
	Males	115	8	10	14	5	9	11	7	9	11	12	10	9	31	7	1	4	5	4
Branch	Females	115	6	9	8	10	9	7	8	7	9	16	12	14	21	3		6	5	5
	Unknown	2						1			1				2					
	Total	444	21	36	41	23	35	37	45	53	40	31	42	36	118	18	11	12	22	17
Cathoun	Males	210	9	13	19	11	18	22	21	27	16	13	22	16	44	13	7	4	8	6
	Females	204	12	20	17	11	12	12	20	23	19	18	18	20	44	5	4	8	14	11
	Unknown	30		3	5	1	5	2	4	3	5		2		30					
C'oss.	Total	181	16	17	13	14	17	6	6	14	28	15	20	14	58	8		7	16	7
	Males	97	8	9	9	9	10	3	3	8	13	7	9	8	32	6		4	3	3
	Females	83	8	8	4	5	7	3	3	6	14	8	11	6	25	2		3	12	4
C'oss.	Unknown	1				1					1				1					

DEATHS—BY COUNTIES, BY SEX, BY MONTHS, BY AGE.

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Eaton.....	Total.....	388	20	16	31	20	26	19	17	21	36	25	34	23	1	86	13	8	24	17	13	8	9	7	7	18	4	13	15	12	17	14	3		
	Males.....	144	12	9	13	12	9	9	9	10	15	15	17	14		50	6	4	0	8	5	4	1	3	4	12	2	6	11	5	9	7	1		
	Females.....	143	8	7	18	8	17	10	8	11	9	21	9	17	9	35	7	4	18	9	8	4	8	4	3	0	2	7	4	7	8	7	2		
	Unknown.....	1										1				1																			
Emmet.....	Total.....	96	2	3	8	12	10	6	11	7	19	8	6	7		41	9	12	5	2	8	5	2	2	1	2	2	3			2	1			
	Males.....	44	1	1	5	6	6	4	5	2	6	2	2	4		18	2	3	2	1	5	3	2			2	1	3			2				
	Females.....	55	1	2	3	6	4	2	6	5	13	6	4	3		23	7	9	3	1	3	2			2	1		1				1			
	Total.....	297	24	18	23	25	18	23	21	27	30	38	21	33	1	86	9	9	13	16	13	8	4	10	15	13	10	20	22	16	16	13	4		
Genesee.....	Males.....	162	13	12	14	15	11	13	10	12	18	21	12	12	1	51	4	2	7	10	7	2	5	5	8	4	11	15	9	11	8	3			
	Females.....	135	11	6	9	10	7	10	11	15	14	12	9	21		35	5	7	6	6	6	4	5	10	5	6	9	7	7	5	5	1			
	Total.....	8				1	1		2	1	1	2				4										1					2				
	Males.....	2				1							1														1					1			
Gladwin.....	Females.....	6					1		2	1	1					4			1													1			
	Total.....	95	6	7	10	6	9	9	11	14	6	4	5	3	5	39	9	1	8	2	2					2	3	6	3		5	3	6	3	
	Males.....	54	2	2	6	3	8	7	7	6	5	1	2	2	3	23	3	1	5	1						2	1	2	1		2	8	4	8	3
	Females.....	40	3	5	4	3	1	2	4	8	1	3	3	1	2	15	6		3	1	2					2	4	2		3		2			
Gr. Traverse.....	Unknown.....	1	1													1																			
	Total.....	200	16	17	21	10	18	16	10	19	23	17	13	20		80	16	5	9	11	10	2	5	4	3	9	4	9	7	7	8	10	1		
	Males.....	101	9	10	9	5	9	9	5	9	12	8	3	13		45	5	2	3	5	3	2			3		3	2	6	6	5	5	1		
	Females.....	99	7	7	12	5	9	7	5	10	11	9	10	7		35	11	3	6	6	7				5	1	3	6	2	3	1	2	3	5	
Gratiot.....	Total.....	307	20	23	25	31	24	27	13	24	30	39	21	30		77	7	6	11	19	8	3	13	13	9	11	18	16	13	38	18	30			
	Males.....	163	6	13	15	16	13	13	3	13	18	21	11	21		38	2	4	6	7	3	1	4	6	6	6	11	10	7	24	8	20			
	Females.....	143	14	10	9	15	11	14	10	11	12	18	10	9		38	5	2	5	11	5	2	9	7	3	5	7	6	6	12	10	10			
	Unknown.....	1			1											1																			
Hillsdale.....	Total.....	254	16	16	21	15	20	22	22	38	24	18	21	17		189	21	4	11	3	3	11	8	12	4	13	3	4	4	5	2	4	3		
	Males.....	141	9	10	11	10	9	9	11	23	14	12	10	11		74	13	2	4	3	1	6	4	7	3	9	2	2	3	2	1	3	2		
	Females.....	113	7	6	10	5	11	13	11	13	14	6	11	6		65	8	2	7		2	5	4	5	1	4	1	2	1	3	1	1	1		

DEATHS—BY COUNTIES, BY SEX, BY MONTHS, BY AGE.

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Kalkaska	Total	36	1	8	...	3	8	1	4	2	13	2	2	2	2	15	1	4	2	4	1	...	1	...	2	1	2	1	1	1				
	Males	21	1	1	...	1	1	1	2	1	8	2	2	1	1	11	1	3	1	1	2	1	2	1	1				
	Females	15	...	2	...	2	2	...	2	2	1	5	...	...	...	...	4	1	4	1	1	1	1	...	1	...	...	...	...	...
Kent	Total	633	37	30	44	48	49	42	50	73	81	60	56	62	1	235	36	21	32	35	23	18	18	22	17	18	28	24	29	26	17	27	7	
	Males	343	20	15	23	33	26	25	31	44	36	32	30	28	...	139	23	10	15	17	12	9	11	11	6	10	11	14	17	15	11	8	4	
	Females	290	17	15	21	15	23	17	19	29	45	28	26	34	1	96	13	11	17	18	11	9	7	11	11	8	17	10	12	11	6	19	3	
Keweenaw	Total	44	...	7	5	5	2	1	3	2	9	4	3	3	...	23	1	2	1	5	1	1	2	3	2	2	...	...	...	...	...	...	...
	Males	29	...	5	1	4	1	...	2	...	8	4	3	1	...	16	...	2	1	3	1	1	1	1	1	2	1	...	...	...	...	...	...
	Females	15	...	2	4	1	1	1	1	1	2	1	...	...	...	7	1	...	...	2	...	...	...	1	2	...	1	...	...	...	...	...	...
Lake	Total	35	2	4	1	2	5	3	5	2	2	6	1	2	...	15	...	2	3	2	3	2	1	...	1	2	...	...	...	...	...	...	...
	Males	19	2	...	...	1	2	3	3	2	2	3	1	...	...	8	...	1	1	...	3	1	1	...	1	...	1	...	...	...	...	...	...
	Females	16	...	4	1	1	3	...	2	3	7	...	1	2	2	1	...	1	...	1
Lapeer	Total	262	13	15	20	21	24	16	23	28	26	17	23	...	104	8	9	9	16	12	9	5	6	5	7	13	8	10	12	9	16	2	2	
	Males	132	7	10	6	9	14	8	11	18	18	9	12	10	...	54	6	5	3	5	3	2	5	3	4	5	6	5	7	3	11	2	2	
	Females	120	6	5	14	12	10	8	12	9	18	17	5	13	...	49	2	4	6	13	9	6	3	1	2	3	8	2	5	6	6	5	5	
Leelanaw	Unknown	1	1	1
	Total	79	6	7	6	7	6	5	4	5	2	17	7	7	...	39	7	3	3	1	3	2	2	2	2	2	4	5	1	1	1	1	1	
	Males	42	4	4	2	2	2	3	2	5	2	9	4	3	...	21	4	1	1	1	1	2	1	...	1	...	3	3	1	1	1	1	1	
Lenawee	Females	37	2	3	4	5	4	2	2	...	...	8	3	4	...	18	3	2	2	...	2	1	2	1	2	1	...	1	2	...	...	...	...
	Total	379	28	18	35	41	35	16	35	34	44	31	28	33	1	88	17	12	12	10	16	7	11	15	17	16	17	18	29	34	28	30	2	
	Males	178	13	8	14	21	21	6	15	15	22	14	15	14	...	44	9	7	3	5	3	5	3	5	3	8	5	8	9	13	20	17	12	2
Livingston	Females	200	15	10	21	20	14	10	19	19	22	17	13	19	1	43	8	5	9	5	11	4	6	12	9	11	9	9	16	14	11	18
	Unknown	1	1	1
	Total	132	5	9	6	7	5	9	10	9	14	20	22	16	...	35	8	5	5	6	4	3	4	6	4	2	4	3	9	12	12	10
Livingston	Males	75	2	7	4	3	2	4	2	6	9	12	14	10	...	21	5	3	2	3	3	1	1	4	1	1	4	...	6	6	8	6
	Females	57	3	2	2	4	3	5	8	3	5	8	6	6	...	14	3	2	3	3	1	2	3	2	3	1	...	3	3	6	4	4

TABLE 61.—CONTINUED.—Deaths by Counties, by Sex, by Months, and by Age, 1884.

County.	Sex.	Year, 1884.	Months, 1884.												Ages in Periods of Years, 1884.																			
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.	
Macquinnac.	Total.	55.	1	3	3	5	4	2	6	4	7	5	6	1	8	18	3	3	1	4	6	4	1	1	1	1	1	1	1	1	1	2	10	
	Males.	35.	1	1	2	3	4	2	4	3	2	4	3	1	5	11	1	3	1	1	3	3	1	1	1	1	1	1	1	1	1	2	7	
	Females.	18.	2	2	1	2		2			4	1	3		3	6	2				3	3	1										2	
	Unknown.	2.								1	1					1																	1	
Iomb.	Total.	343.	21	16	21	21	33	19	33	35	35	30	28	39	3	115	18	5	19	15	21	5	8	13	7	9	12	12	25	15	16	23	3	
	Males.	176.	10	8	7	7	17	10	18	21	23	16	15	20	1	64	6	1	8	5	12	2	4	8	2	5	6	7	12	9	7	17	1	
	Females.	167.	11	8	14	14	16	9	15	14	9	23	13	19	2	51	12	4	11	10	9	3	4	5	5	4	6	5	13	6	9	8	2	
	Total.	176.	8	7	9	11	21	16	18	28	12	17	15	14		120	9	2	4	9	4	3	3	2	4	4	3	3	1	1	2	1	1	1
Lee.	Males.	104.	2	6	5	6	15	8	10	13	5	14	11	9		71	4	1	1	4	3	2	2	1	4	3	1	3	1	1	2	1	1	1
	Females.	72.	6	1	4	5	6	8	8	15	7	3	4	5		49	5	1	3	5	1	1	1	1	1	1	2	1	1	1	1	1	1	1
	Total.	7.					1	2	1			2	1			2				1	2							1						
	Males.	3.						1				1	1								1							1						
Macquette.	Total.	379.	19	16	28	24	32	38	29	52	42	38	28	33		210	21	15	4	25	17	12	19	11	9	3	4	4	5	4	9	3		
	Males.	229.	14	13	17	15	14	16	21	31	21	21	19	18		116	12	7	1	19	11	10	14	6	5		4	3	3	4	1	3	1	
	Females.	150.	5	3	11	9	18	22	8	21	21	17	9	15		94	9	8	3	6	6	2	5	5	4	3		1	1	1	3	6	2	
	Total.	101.	7	9	6	9	3	6	11	13	9	8	10	8	2	48	8	1	4	4	4	4	4	3	2	3	4	1	2	5	4	1	3	
Mason.	Males.	53.	5	6	2	6	2	2	5	7	4	5	3	5	1	28	3		1	3		2		1	2	1	2	1	1	3	3		2	
	Females.	48.	2	3	4	3	1	4	6	6	5	3	7	3	1	20	5	1	3	1		2	4	2		2	2		1	2	1	1	1	
	Total.	145.	9	16	8	10	14	8	10	18	16	13	13	10		54	8	4	6	10	18	7	4	10	4	6	1	3	6	1	2	1	1	
	Males.	80.	6	11	6	4	9	5	4	12	5	11	7	6		29	5	2	3	6	13	6	1	6	1	3	1	2	5		2	1	1	
Mecosta.	Females.	59.	3	5	2	6	5	3	6	6	11	3	6	4		25	3	2	3	4	5	1	3	4	3	3		1	1	1	1			

DEATHS—BY COUNTIES, BY SEX, BY MONTHS, BY AGE.

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Menominee	Total	109	10	5	7	13	13	10	17	29	19	20	14	11	11	104	9	2	2	7	6	1	5	3	2	1	2	1	1	4	17	
	Males	101	9	3	4	11	5	6	9	17	11	12	7	6	1	94	5	2	2	5	4	4	3	2	2	2	2	2	2	4	14	
	Females	8	1	2	3	2	8	4	8	12	8	8	7	5	0	50	4	2	2	2	1	1	3	1	1	1	1	1	1	3		
Midland	Total	69	2	6	7	1	8	2	1	7	6	6	6	11	6	25	6	1	5	5	2	1	1	2	4	1	2	2	2	2	2	
	Males	37	2	5	1	3	2	4	4	4	4	3	2	6	5	13	1	1	3	3	1	1	1	1	1	1	2	2	1	2	2	
	Females	32	2	4	2	5	5	1	3	2	3	3	4	5	1	12	5	2	2	2	1	1	3	1	1	1	1	1	1	1	1	
Missaukee	Total	43	3	6	2	3	4	2	2	7	3	7	2	2	2	24	1	2	4	2	3	1	1	1	1	1	1	1	1	1	1	
	Males	21	1	4	1	1	2	2	2	3	1	5	1	1	1	11	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
	Females	22	2	2	1	2	2	2	2	4	2	2	1	2	1	13	4	2	2	2	1	1	1	1	1	1	1	1	1	1	1	
Monroe	Total	300	28	18	30	19	16	19	17	32	32	32	28	31	95	22	15	14	6	11	8	4	5	8	12	18	10	11	16	12	23	10
	Males	162	15	12	20	10	8	9	9	22	17	13	15	12	58	14	8	6	4	5	3	2	2	5	7	10	2	4	9	8	10	5
	Females	138	13	6	10	9	8	10	8	10	15	19	13	19	37	8	7	8	2	6	5	2	3	3	5	8	8	7	7	4	13	5
Montcalm	Total	307	16	25	23	23	22	26	28	27	36	27	28	36	115	20	17	13	17	14	15	12	10	4	9	8	8	5	3	3	3	
	Males	177	11	11	14	13	13	12	18	13	24	18	14	16	75	14	9	8	7	8	5	6	7	4	3	6	7	5	5	2	3	3
	Females	130	5	14	9	10	9	14	10	14	12	9	14	10	40	15	8	9	6	9	9	9	5	6	1	3	1	3	3	3	—	—
M'Inorency	Total	2	—	—	—	—	—	—	—	1	—	1	—	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Males	1	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Females	1	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Muskegon	Total	387	18	24	22	25	29	25	30	66	41	47	29	26	1	215	16	9	5	18	20	9	12	15	6	10	15	10	8	2	5	2
	Males	207	10	10	13	12	12	21	18	39	19	20	16	16	1	117	8	6	1	9	10	6	5	7	4	6	9	5	4	5	2	1
	Females	179	8	14	10	13	16	4	12	30	22	27	13	10	—	98	8	3	4	9	10	3	7	8	2	4	6	5	6	3	3	—
Newaygo	Unknown	1	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1
	Total	72	4	2	3	6	3	7	9	9	5	10	4	10	—	30	3	2	5	4	4	1	3	3	4	2	1	—	3	4	—	—
	Males	42	3	2	2	5	—	4	6	7	1	5	1	6	—	19	1	2	3	2	2	—	2	2	4	—	—	—	—	—	—	—
Oakland	Females	30	1	—	1	1	3	3	3	2	4	5	3	4	—	11	2	2	2	2	1	3	1	1	—	2	1	—	1	1	—	—
	Total	355	25	33	30	29	32	14	25	26	26	34	34	37	—	76	14	8	15	18	11	18	14	14	10	12	28	14	30	22	32	5
	Males	185	11	15	16	12	20	6	15	19	13	17	22	19	—	41	6	3	9	7	5	8	6	8	5	8	16	11	14	11	20	1
Females	170	14	18	14	17	12	8	10	17	13	17	12	18	—	35	8	5	6	11	6	10	8	8	6	5	4	12	3	16	11	12	4

VITAL STATISTICS OF MICHIGAN, 1884

TABLE 61.—CONTINUED.—Deaths by Counties, by Sex, by Months, and by Age, 1884.

Counties.	Sex.	Year. 1884.	Months, 1884.												Ages in Periods of Years, 1884.																		
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Oceana.	Total.....	151	14	13	13	15	10	7	8	13	17	16	13	12	57	7	5	9	10	9	7	2	5	4	4	4	7	9	4	3	3	2	
	Males.....	79	9	10	8	7	3	4	5	6	11	3	5	8	432	3	1	4	5	3	5		3	3	3	3	5	2	1	3			
	Females.....	72	5	3	5	8	7	3	3	7	6	13	8	4	25	4	4	5	5	6	2	2	1	1	1	1	4	4	2	2			
Ogemaw.	Total.....	15				3	2	2	1	2	2	3			6	1			1	2	1		1										
	Males.....	7				1	1	2	1		1	1			2	1							1										
	Females.....	8							2	1	2				4				1	2	1												
Ontonagon.	Total.....	28			5	2	3	3	1	1	2	4	3	4	7	1		5	3	1	1		1		1	2	2	3					
	Males.....	15			3	1		2	1		2	1	2	3	3	1		3	1	1		1			2	1	2						
	Females.....	12			2	1	3	1		1		2	1	1	3			2	2	1		1		1		1	1						
Oscoda.	Total.....	117	9	6	11		7	10	13	16	16	9	11	9	50	8	2	4	5	6	5	11	2	2	5	2	5	2	1	3	4		
	Males.....	62	3	4	7		4	6	10	7	4	5	6	6	23	4		1	3	2	2	6		1	1	2	4	1					
	Females.....	55	6	2	4		3	4	3	9	12	4	5	3	22	4	2	3	2	4	3	5	2	1	4		1	1	1				
Oscoda.	Total.....	14		2	1		2	1	1		2	1		4	4	1	3	1	1		1		1		1	1	1	1					
	Males.....	7		1	1		2		1		1	1			2		2	1															
	Females.....	7		1				1			1				2																		
Otsego.	Total.....	24	1	3	6	1	3	1	1	2		1	2	3	13	2		8	3	1				1									
	Males.....	14	1	2	3	1	2					1	2	2	10			1	1	1													
	Females.....	10		1	3		1	1	1	2				1	3	2			2														

DEATHS—BY COUNTIES, BY SEX, BY MONTHS, BY AGE.

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Ottawa	Total	310	14	24	27	15	26	24	19	37	35	34	30	20	3	127	7	7	14	13	10	12	11	9	7	10	15	9	15	9	14	16	5
	Males	171	11	12	15	6	12	9	10	23	21	21	17	12	2	75	3	3	9	5	3	3	4	4	3	8	6	13	6	9	8	3	
	Females	137	3	12	12	9	16	15	9	13	14	13	13	8		50	4	4	5	8	9	5	3	3	7	3	2	3	5	8	2		
	Unknown	2								1					1	2																	
Presque Isle	Total	34	3		4	3	2	5	3	4	7	1		2		24	1	1	1	1	1	1	1			2	1		1	1	1		
	Males	23	1		3	3	2	2	2	4	5	1				17																	
	Females	11	2		1			3	1		2				2	7	1		1	1	1	1	1										
	Unknown																																
Rosecommon	Total	10					1	3		3						7																	
	Males	8					1	2		3					1	5																	
	Females	2						1								2																	
	Unknown																																
Saginaw	Total	894	54	60	71	93	60	74	73	108	89	70	75	59	8	415	40	25	35	49	36	33	39	30	22	17	15	28	28	24	23	20	12
	Males	490	32	28	30	50	30	49	38	56	52	42	42	36	5	231	19	10	16	28	19	19	18	15	12	10	17	11	13	15	12	6	
	Females	365	21	32	38	42	30	25	34	50	36	28	33	23	3	175	21	15	19	21	20	14	20	12	7	5	5	11	17	11	8	6	
	Unknown	9	1		3	1			1	2	1					9																	
Sanilac	Total	286	15	14	25	26	18	19	22	26	45	26	25	25		138	19	8	15	12	15	12	6	4	4	5	6	6	7	9	15	15	
	Males	153	8	9	12	15	8	11	11	16	20	15	15	13		77	9	4	7	6	6	5	1	3		2	5	1	3	8	9	7	
	Females	132	7	5	13	11	10	8	11	10	25	11	9	12		50	10	4	8	6	9	7	5	1	4	3	1	5	4	1	6	8	
	Unknown	1											1			1																	
Schoolcraft	Total	10				2	1	1	1	1	1	1	2	1		4				2	1	1	1	1	1								
	Males	7					1	1	1	1	1	1		1		3																	
	Females	3				1							2			1				2													
	Unknown																																
Shiawassee	Total	226	11	11	13	20	19	19	11	23	30	21	29	19		66	9	8	9	9	12	8	5	5	8	5	14	9	11	13	13	17	5
	Males	118	5	2	8	13	8	13	5	15	18	11	11	9		30	3	4	4	7	5	2	4		6	5	10	8	5	7	6	10	2
	Females	106	6	9	5	7	11	6	6	8	12	10	18	10		36	6	4	5	2	7	6	1	5	2		4	1	6	6	7	3	
	Unknown																																
St. Clair	Total	483	22	43	39	33	43	21	27	55	52	66	37	40	5	202	34	25	16	25	25	14	9	11	8	13	11	16	19	16	9	26	4
	Males	271	11	18	18	16	25	12	16	32	33	44	20	24	2	115	19	14	7	12	14	5	2	6	5	9	7	8	13	10	7	15	3
	Females	209	11	25	21	17	18	9	11	23	19	22	17	16		84	15	11	9	13	11	9	7	5	3	4	4	8	6	6	2	11	1
	Unknown	3														3																	

VITAL STATISTICS OF MICHIGAN, 1884.

TABLE 61.—CONTINUED.—Deaths by Counties, by Sex, by Months, and by Age, 1884.

County.	Sex.	Year, 1894.	Months, 1884.												Ages in Periods of Years, 1884.																		
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
St. Joseph.	Total	300	12	20	27	19	19	16	21	30	38	41	27	38	2	70	12	13	8	18	8	9	9	8	4	7	17	20	21	22	23	23	4
	Males	158	5	12	16	5	6	6	14	14	16	23	19	21	1	40	5	7	8	9	3	3	5	4	2	6	7	9	12	12	16	12	8
	Females	147	7	8	11	13	13	10	7	16	20	18	8	15	1	29	7	6	5	9	5	6	4	4	2	1	10	11	9	10	7	21	1
	Unknown	1			1											1																	
Tuscola.	Total	288	12	22	18	24	16	21	17	24	38	27	29	20		103	18	12	10	14	12	6	10	12	9	11	5	11	7	9	3	9	7
	Males	133	7	12	10	13	7	8	7	8	21	16	14	10		56	10	2	5	6	5	4	3	7	4	1	3	9	1	6	2	4	5
	Females	134	5	10	8	11	9	12	10	16	17	11	15	10		46	8	10	5	8	7	2	7	5	5	10	2	6	3	1	5	2	2
	Unknown	1					1									1																	
Van Buren.	Total	265	12	15	13	28	28	9	15	15	18	17	23	12		50	7	6	9	19	13	6	4	11	7	14	5	9	13	10	6	14	2
	Males	108	7	9	5	13	16	5	11	8	8	7	9	7		23	2	4	4	10	7	1	3	4	4	7	3	5	7	8	5	7	1
	Females	100	5	6	8	15	12	4	4	7	10	10	14	5		27	5	2	5	9	6	5	1	7	3	7	2	4	6	2	1	7	1
	Total	381	26	28	27	38	31	22	23	26	26	27	55	31		79	21	8	11	16	15	9	15	11	16	9	23	21	20	30	22	30	5
Washtenaw.	Males	173	8	16	12	18	15	8	12	14	12	16	28	14		40	7	6	6	7	6	5	5	4	9	5	9	8	11	16	12	15	2
	Females	188	18	12	15	18	16	14	11	12	17	11	27	17		39	14	2	5	9	9	4	10	7	7	4	14	13	9	14	10	15	3
	Total	3,357	224	237	294	238	234	229	395	327	277	282	249	351		1,500	290	80	99	154	107	105	108	107	78	85	80	115	96	85	70	86	46
	Males	1,823	117	131	154	128	139	116	223	180	154	156	144	181		855	132	44	53	84	62	56	66	64	44	44	69	55	52	37	38	20	
Wayne.	Females	1,539	107	105	140	110	124	112	162	146	122	126	105	170		721	128	45	46	70	45	49	37	43	34	40	36	46	40	33	49	25	
	Unknown	5		1		1	1	1		1	1					4																1	
	Total	97	7	3	4	4	14	13	15	7	13	7	7	2	1	50	6	3	3	4	5	2	1	2	2	3	1	5	2	3	1	4	
	Males	52	5		2	3	4	6	6	2	9	7	4	2		20	3	3	1	1	2	1	1	1	2	2	1	4	2		1	3	
Wexford.	Females.	45	2	3	2	1	10	5	9	5	4	3	3	1		24	4	1	2	3	3	1	1	1	1	1		1	1	1	2	1	

COLOR OF DECEDENTS IN MICHIGAN IN 1884.

Table 62 shows, that as in 1883, the per cent of white decedents to all decedents, was less than the per cent of white inhabitants to all inhabitants.

The last column of the table, shows that the death-rate is less than the average among the white and mulatto decedents, and greater than the average among the black and Indian decedents. The third column of the table shows the per cent of deaths by sex, among the different races. The largest proportion of males was among the blacks and the least among the Indians.

TABLE 62.—Deaths Returned for the Year 1884, distinguishing the Color by Number and Proportion of each Sex; and by Sex, the Per Cent of Decedents of each Color to Total of all Colors; the Per Cent of Inhabitants of each Color to Total of all Colors; and the Per Cent of Decedents to Inhabitants.

Colors.	Sex.	Population June 1, 1884.	Number of Deaths Returned.	Per Cent of Deaths of each Sex to Total of both Sexes.	Males to 100 Females.	Per Cent of Deaths of each Color to Total of all Colors by Sex.	Per Cent of Inhabitants of each Color to Total of all Colors by Sex, June 1, 1884.	Death-rate—Per Cent of Deaths in 1884 to Population in 1884.
All colors	Total	1,848,898	18,066			100.00	100.00	.98
	Males	971,504	9,589	53.35	114.36	100.00	100.00	.99
	Females	877,188	8,385	46.65		100.00	100.00	.96
	Unknown	206	82			100.00	100.00	
White	Total	1,825,769	17,002			97.49	98.75	.96
	Males	959,481	9,353	53.26	113.95	97.54	98.76	.97
	Females	866,278	8,208	46.74		97.89	98.76	.96
	Unknown	10	41			50.00	4.85	
Black	Total	6,848	125			.69	.37	1.63
	Males	3,689	78	62.40	165.96	.81	.38	2.11
	Females	3,159	47	37.60		.56	.36	1.49
Mulatto	Total	8,287	76			.42	.45	.92
	Males	4,211	44	57.89	137.50	.46	.44	1.04
	Females	4,056	32	42.11		.38	.46	.79
Indian	Total	6,861	167			.92	.37	2.43
	Males	3,553	88	53.01	112.82	.92	.37	2.43
	Females	3,308	78	46.99		.93	.38	2.36
	Unknown		1			1.22		
Unknown	Total	1,083	86			.48	.06	7.94
	Males	500	26	56.52	130.00	.27	.05	5.20
	Females	387	20	43.48		.24	.04	5.17
	Unknown	196	40			48.78	95.15	
Total	Total	15,115	201			1.11	.82	1.33
	Males	7,900	122	60.70	154.43	1.27	.81	1.54
	Females	7,215	79	39.30		.94	.82	1.09

Asiatic males.

VITAL STATISTICS OF MICHIGAN, 1884.

TABLE 63.—CONTINUED.—Deaths by Counties, by Color, and by Sex.

Counties.	All Colors, 1884.				White.				Black.				Mulatto.				Indian.				Unknown.			
	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.
Roscommon	10	8	2		8	7	1										2	1	1					
Saginaw	894	490	395	9	879	481	389	9	2	2			1	1			12	6	6					
Sanilac	286	153	132	1	286	153	132	1																
Schoolcraft	10	7	3		8	6	2										2	1	1					
Shiawassee	226	118	108		225	118	107	1		1														
St. Clair	483	271	200	3	478	269	209		2	2											3		3	
St. Joseph	306	158	147	1	303	156	146	1	2	1	1		1	1										
Tuscola	268	133	134	1	266	132	133	1									2	1	1					
Van Buren	205	105	100		199	101	98		3	1	2		3	3										
Washtenaw	36	173	188		353	166	187		6	6			2	1	1									
Wayne	3,357	1,823	1,529	5	3,244	1,756	1,486	2	58	35	23		26	15	11		7	6	1		22	11	8	
Wexford	97	52	45		94	50	44						2	2							1		1	

NATIVITY OF DECEDENTS IN MICHIGAN.

Table 64 shows, for each of the years 1882, 1883, 1884, and the average for ten years 1874-1883, the number and per cent of decedents of each nativity in Michigan, according to the returns. The average proportion of the native-born decedents for ten years is 79.23, while for the year 1884 it was 78.49 per cent. The average proportion for the foreign-born decedents for the same period of years was 17.93 per cent, while for the year 1884 it was 18.72 per cent.

It has been often stated in these reports, that any attempt to make a comparison of the death-rate by nativity, based upon the total population and the total number of deaths, was unsatisfactory, because the native-born population includes nearly all the children, among whom the mortality is very great, as has been fully shown on preceding pages, whereas the foreign-born inhabitants are mostly of the middle ages.

In order to arrive at a more accurate statement of the death-rate by nativity, Table 65 has been prepared, showing the mortality-rate among the native and foreign-born population by periods of age. By this table it appears that for ages up to thirty, the death-rate in Michigan was greater among the native-born; for ages over thirty, the death-rate was greater among the foreign-born males than among the native.

TABLE 64.—*Nativity of Decedents in Michigan for the Years 1882-1884, and the Average for Ten Years ending with 1883.*

Nativity of Decedents.	Deaths, 1882.		Deaths, 1883.		Deaths, 1884.		Av. for 10 Years ending with 1883.	
	Number.	Per Cent of Total.	Number.	Per Cent of Total.	Number.	Per Cent of Total.	Number.	Per Cent of Total.
All nativities.....	16,425	100.00	16,906	100.00	18,056	100.00	14,583	100.00
Native-born.....	12,848	78.22	13,077	77.35	14,172	78.49	11,554	79.23
Foreign-born.....	3,144	19.14	3,883	20.01	3,880	18.72	2,615	17.93
Unknown.....	433	2.64	446	2.64	504	2.79	414	2.84

VITAL STATISTICS OF MICHIGAN, 1884.

TABLE 65.—By Nativity, Sex, and Periods of Age, the Population of Michigan June 1, 1884, the Number of Deaths in 1884, and the Number of Deaths to 100 Living.

[illegible]

TABLE 66.—*Exhibiting, by Number and by Sex for the State and Counties, the Nativity of Decedents in Michigan Returned for the Year 1884.*

State and Counties.	All Nativities, 1884.				Native.				Foreign.				Unknown.			
	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.
State	18,056	9,589	8,385	82	14,172	7,309	6,700	73	8,380	1,888	1,492		504	302	193	9
Alcona	18	9	9		13	7	6		4	1	3		1	1		
Allegan	332	187	145		274	152	122		48	30	18		10	5	5	
Alpena	92	56	36		68	39	29		23	16	7		1	1		
Antrim	51	28	23		44	23	21		6	4	2		1	1		
Arenac	39	24	15		29	20	9		10	4	6					
Baraga	30	16	14		17	8	9		2	2			11	6	5	
Barry	158	90	68		141	81	60		11	6	5		6	3	3	
Bay	502	299	293		453	232	221		133	65	68		6	2	4	
Benzle	39	15	24		36	14	22		3	1	2					
Berrien	239	152	134	3	247	128	116	3	29	18	11		13	6	7	
Branch	232	115	115	2	192	91	99	2	25	13	12		15	11	4	
Calhoun	444	210	204	30	359	168	174	27	47	29	18		38	23	12	3
Cass	181	97	83	1	161	87	73	1	16	9	7		4	1	3	
Charlevoix	86	40	46		72	30	42		12	8	4		2	2		
Cheboygan	79	43	36		60	32	28		18	11	7		1		1	
Chippewa	50	27	23		29	18	11		20	9	11		1		1	
Clare	44	26	13	5	32	19	9	4	5	3	2		7	4	2	1
Clinton	213	120	93		182	105	77		24	14	10		7	1	6	
Crawford	7	3	4		7	3	4									
Delta	93	48	45		73	36	37		19	11	8		1	1		
Eaton	288	144	143	1	257	125	131	1	15	9	6		16	10	6	
Emmet	99	44	55		88	35	53		7	6	1		4	3	1	
Genesee	297	162	135		242	133	109		46	23	23		9	6	3	
Gladwin	8	2	6		6	1	5		1	1			1		1	
Grand Traverse	95	54	40	1	73	43	29	1	14	5	9		8	6	2	
Gratiot	200	101	99		175	87	88		17	9	8		8	5	3	
Hillsdale	307	163	143	1	272	141	130	1	23	13	10		12	9	3	
Houghton	254	141	113		174	94	80		80	47	33					
Huron	233	102	121	10	156	74	72	10	75	27	48		2	1	1	
Ingham	353	173	180		303	142	161		37	22	15		13	9	4	
Ionia	228	99	129		194	82	112		24	13	11		10	4	6	

TABLE 66.—CONTINUED.—Deaths by Counties, by Nativity, and by Sex.

Counties.	All Nativities, 1884.				Native.				Foreign.				Unknown.			
	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.
Iosco	76	47	29	...	59	38	21	...	15	7	8	...	22	12	10	...
Isabella	163	70	93	...	137	55	82	...	26	15	11	...	...	...	...	...
Jackson	355	183	172	...	305	153	152	...	45	28	17	...	5	2	3	...
Kalamazoo	325	181	144	...	266	149	117	...	51	30	21	...	8	2	6	...
Kalkaska	36	21	15	...	30	15	15	...	5	5	...	...	1	1	...	...
Kent	633	343	290	...	491	270	221	...	130	66	64	...	12	7	5	...
Keweenaw	44	29	15	...	28	20	8	...	16	9	7	...	...	...	...	...
Lake	35	19	16	...	29	15	14	...	5	3	2	...	1	1	...	...
Lapeer	262	132	129	1	198	99	98	1	61	31	30	...	3	2	1	...
Leelanaw	79	42	37	...	67	35	32	...	12	7	5	...	...	...	...	...
Lenawee	379	178	200	1	309	144	164	1	59	32	27	...	11	2	9	...
Livingston	132	75	57	...	110	64	46	...	21	11	10	...	1	...	1	...
Mackinac	55	35	18	2	43	28	15	...	6	4	2	...	6	3	1	2
Macomb	343	176	167	...	269	140	129	...	67	32	35	...	7	4	3	...
Manistee	176	104	72	...	144	80	64	...	26	20	6	...	6	4	2	...
Manitou	7	3	4	...	4	1	3	...	3	2	1	...	...	...	...	...
Marquette	379	220	159	...	258	142	116	...	109	69	40	...	12	9	3	...
Mason	101	53	48	...	80	39	41	...	20	13	7	...	1	1	...	...
Mecosta	145	86	59	...	105	60	45	...	37	25	12	...	3	1	2	...
Menominee	169	101	68	...	134	73	61	...	32	26	6	...	3	2	1	...
Midland	69	37	32	...	52	24	28	...	12	8	4	...	5	5	...	...
Missaukee	43	21	22	...	31	11	20	...	11	9	2	...	1	1	...	...
Monroe	300	162	138	...	229	128	101	...	66	31	35	...	5	3	2	...
Montcalm	307	177	130	...	252	140	112	...	38	23	15	...	17	14	3	...
Montmorency	2	1	1	...	1	...	1	...	1	1	...	...	...	...	...	...
Muskegon	387	207	179	1	289	157	131	1	93	47	46	...	5	3	2	...
Newaygo	72	42	30	...	59	33	26	...	12	8	4	...	1	1	...	...
Oakland	355	185	170	...	275	140	135	...	73	41	32	...	7	4	3	...
Oceana	151	79	72	...	127	65	62	...	20	11	9	...	4	3	1	...
Ogemaw	15	7	8	...	12	5	7	...	1	...	1	...	2	2	...	...
Ontonagon	28	15	12	1	15	7	7	1	13	8	5	...	...	...	...	...
Osceola	117	62	55	...	99	51	48	...	16	9	7	...	2	2	...	...
Oscoda	14	7	7	...	11	5	6	...	2	1	1	...	1	1	...	...
Otsego	24	14	10	...	21	13	8	...	8	5	3	...	...	...	...	...
Ottawa	310	171	137	2	222	123	99	...	89	44	45	...	7	5	2	...
Presque Isle	31	23	11	...	20	12	8	...	9	5	4	...	...	...	...	...

TABLE 66.—CONTINUED.—*Deaths by Counties, by Nativity, and by Sex.*

Counties.	All Nativities, 1884.				Native.				Foreign.				Unknown.			
	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.
Roscommon	10	8	2	...	7	5	2	...	1	1	...	...	12	12	...	...
Saginaw	894	490	395	9	669	362	299	8	211	120	91	...	14	8	5	1
Sanilac	286	153	132	1	193	113	79	1	92	39	53	...	1	1	...	...
Schoolcraft	10	7	3	...	7	4	3	...	2	2	...	...	1	1	...	...
Shiawassee	226	118	108	...	194	100	94	...	25	18	9	...	7	2	5	...
St. Clair	483	271	209	3	352	195	154	3	125	72	53	...	6	4	2	...
St. Joseph	306	158	147	1	256	137	118	1	31	11	20	...	19	10	9	...
Tuscola	268	133	134	1	219	111	107	1	45	19	26	...	4	3	1	...
Van Buren	205	105	100	...	186	90	96	...	11	10	1	...	8	5	3	...
Washtenaw	361	173	188	...	275	126	149	...	67	35	32	...	19	12	7	...
Wayne	3,357	1,823	1,529	5	2,518	1,333	1,182	3	766	445	321	...	73	45	26	2
Wexford	97	52	45	...	80	41	39	...	14	10	4	...	3	...	2	...

CAUSES OF DEATH, 1884.

The causes of death as returned in Michigan for the year 1884 will be found in the tables which follow. In this department of registration very much depends upon the intelligence and fidelity of those making the returns. It is comparatively easy to ascertain the abstract number of deaths in any community, but the particular causes of the mortality are often more difficult. In 1884, the causes of deaths were ascertained in 16,905 cases of 18,056 deaths returned. In 1,151 deaths, the cause given was either too obscure or returned as unknown.

The causes of death in 1884, classified under the five grand divisions, may be seen in Table 67. The mortality-rate from zymotic diseases was considerably less than it has been for any year since 1878. In 1881, zymotic diseases caused over 35 per cent of the deaths, in 1882 they caused only 28 per cent. in 1883 they caused 26 per cent, while for 1884 they dropped down to 25.90 per cent, which was 1.87 per cent less than the average for the ten years 1874-1883, and 9.41 per cent less than the rate in 1881.

The class of constitutional diseases, of which consumption and cancer are the leading representatives, shows an increased per cent over that for 1882, 1883, and the average for ten years. This increase over the year 1883 may be put down to consumption, which shows a much larger number of deaths for 1884.

Local diseases, those affecting the brain and nervous system, also show a slight increase in 1884 over the preceding year. The percentage, as may be seen, is greater than the average for ten years, and greater, in fact, than for any year since 1875.

The mortality-rate from developmental diseases, those from old age and of infants, was also greater than usual, and was 3.92 per cent greater than the average for ten years.

Deaths by violence were less in number and proportion in 1884 than they were in

1883. As compared with the average for ten years the proportion is nearly the same. Among these deaths the following seem worthy of special mention : 67 males and 6 females lost their lives by railroad accidents ; 84 males and 20 females committed suicide ; 128 males and 22 females were reported drowned ; 13 males and 3 females were returned as poisoned ; 69 persons were burned or scalded to death ; 9 from exposure ; 25 from suffocation and strangulation ; and 24 persons were murdered.

The proportion of deaths from unknown causes was much less in 1884 than for any previous year. It is also less than the average for ten years, as may be seen by reference to the table.

The months of the year 1884 in which the deaths from all causes and from each class of causes were most numerous may be learned by an examination of Table 68.

TABLE 67.—*Number of Deaths returned from All Causes, from each Class of Causes, and the Per Cent of Deaths from each Class of Causes to Deaths from All Causes for the Years 1882-1884, and the Average for Ten Years, 1874-1883.*

Causes of Deaths,—Classes.	1882.		1883.		1884.		Average for 10 Years, 1874-1883.	
	Number.	Per Cent of Total.	Number.	Per Cent of Total.	Number.	Per Cent of Total.	Number.	Per Cent of Total.
All Causes.....	16,425	100.00	16,906	100.00	18,056	100.00	14,583	100.00
I.—Zymotic diseases.....	4,718	28.73	4,397	26.01	4,676	25.90	4,050	27.77
II.—Constitutional diseases.....	2,612	15.90	2,817	16.66	3,065	17.14	2,445	16.77
III.—Local diseases.....	4,691	28.56	4,923	29.12	5,356	29.66	4,093	28.07
IV.—Developmental diseases.....	2,067	12.58	2,369	14.01	2,880	15.95	1,755	12.03
V.—Violent deaths.....	778	4.74	940	5.56	898	4.97	765	5.25
Unknown and unclassified.....	1,559	9.45	1,460	8.64	1,151	6.38	1,475	10.11

TABLE 68.—*By Months, the Number of Deaths Returned in Michigan from All Causes and from each Class of Causes during the Year 1884.*

Causes of Death,—Classes.	Year. 1884.	Months of Death, 1884.												
		Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
All Causes.....	18,056	1087	1181	1421	1382	1450	1266	1520	1917	1877	1752	1526	1615	56
I.—Zymotic Diseases.....	4,676	224	229	284	259	268	272	427	672	686	509	400	379	7
II.—Constitutional Diseases.....	3,095	189	201	254	272	301	238	289	275	265	272	266	263	10
III.—Local Diseases.....	5,356	355	431	467	443	470	368	411	490	449	471	444	541	16
IV.—Developmental Diseases.....	2,880	217	210	253	232	245	221	212	257	270	231	247	277	8
V.—Violent Deaths.....	898	43	38	71	82	68	93	92	95	78	80	81	68	9
Unknown and unclassified.....	1,151	59	72	92	94	104	74	89	128	129	129	88	87	6

In the following tables may be seen the mortality from some of the most destructive diseases in each of the five great classes during a period of twelve years. By these tables we are enabled to see what diseases of each class were more than usually fatal and prevalent in 1884. Consumption and cancer, the most fatal of the group of constitutional diseases, may be seen farther on in the report, where each disease is studied separately.

TABLE 69.—*Mortality in Michigan from some of the Prominent Zymotic Diseases.—Twelve Years.*

Years.	Diseases.						
	Typhoid Fever.	Whooping-cough.	Croup.	Diphtheria.	Measles.	Scarlet Fever.	Small-pox.
1873.....	677	206	172	217	244	573	90
1874.....	610	153	142	213	46	440	18
1875.....	433	101	167	207	134	423	26
1876.....	426	181	178	311	118	399	76
1877.....	446	131	164	568	62	404	102
1878.....	329	132	236	887	16	429	6
1879.....	397	162	278	1,473	167	418	6
1880.....	513	264	322	1,542	125	370	3
1881.....	884	142	380	2,063	256	383	82
1882.....	463	86	349	1,416	150	592	100
1883.....	439	92	336	1,007	258	673	5
1884.....	514	160	325	1,065	144	326	3
Average.....	511	151	254	916	143	453	43

TABLE 70.—*Mortality in Michigan from some of the Principal Local Diseases.—Twelve Years.*

Years.	Diseases.					
	Convulsions.	Heart Disease.	Bronchitis.	Pleurisy.	Peritonitis.	Bright's Disease.
1873.....	156	327	25	18	9	16
1874.....	144	340	34	15	8	14
1875.....	164	308	43	14	14	11
1876.....	185	339	43	19	8	22
1877.....	298	394	42	14	8	35
1878.....	288	368	46	16	11	32
1879.....	275	451	53	20	16	36
1880.....	348	482	50	26	12	80
1881.....	337	518	76	19	20	89
1882.....	356	562	106	16	21	138
1883.....	344	684	89	30	16	187
1884.....	436	718	98	18	27	179
Average.....	278	458	59	18	14	70

TABLE 71.—*Mortality in Michigan from Chief Developmental Diseases.—Twelve Years.*

Years.	Diseases.					
	Teething.	Still-born Infantile, Premature.	Child-birth.	Abortion.	Puerperal Convulsions.	Old Age.
1873.....	108	346	254	9	5	428
1874.....	89	510	197	7	4	428
1875.....	71	701	173	10	5	373
1876.....	77	716	141	7	6	483
1877.....	66	785	151	6	5	489
1878.....	60	858	161	7	3	579
1879.....	40	787	193	12	5	608
1880.....	49	808	193	6	2	625
1881.....	84	761	192	8		725
1882.....	83	890	199	9	3	647
1883.....	55	1,034	221	12	4	726
1884.....	57	1,462	222	6	4	795
Average.....	70	805	191	8	4	576

TABLE 72.—*Mortality in Michigan from some of the Prominent Violent Causes.—Twelve Years.*

Years.	Burns and Scalds.	Poison.	Railroad Acci- dents.	Drowning.	Freezing.	Homicide.	Suicide.	Totals.
1873.....	88	21	53	107	3	16	30	327
1874.....	71	21	47	116	5	11	53	324
1875.....	70	15	33	108	4	17	52	299
1876.....	66	19	37	172	4	12	54	364
1877.....	60	21	42	103	1	14	66	307
1878.....	66	27	46	117	2	11	63	332
1879.....	64	15	40	122	5	15	59	320
1880.....	64	22	40	179	3	7	65	380
1881.....	175	25	75	125	2	15	57	474
1882.....	57	22	58	140	3	11	62	353
1883.....	65	33	109	158		15	91	471
1884.....	69	16	73	150	1	24	104	437
Average.....	76	21	54	133	3	14	64	366

TABLE 73.—*Deaths in Michigan from Brain Disorders.—Twelve Years.*

Years.	Softening of the Brain.	Apoplexy.	Paralysis.	Insanity.	Cephalitis and Unspecified Brain Diseases.	Totals.
1873.....	19	81	170	12	514	796
1874.....	15	63	169	7	406	660
1875.....	29	89	170	8	398	634
1876.....	30	107	230	13	452	832
1877.....	29	85	246	17	456	833
1878.....	25	91	241	11	370	738
1879.....	25	103	262	7	400	797
1880.....	27	119	278	8	475	907
1881.....	23	110	258	10	541	942
1882.....	36	87	357	8	448	936
1883.....	22	85	345	22	439	913
1884.....	40	130	397	17	524	1,108
Average.....	27	96	260	12	447	841

VITAL STATISTICS OF MICHIGAN, 1884.

DEATHS IN 1884, GROUPED BY PART OF BODY DISEASED.

Diseases of the lungs and bowels stand respectively first and second in order among the groups of diseases given in Table 74, both for the year 1884 and for the average for ten years; and as is seldom the case, the rest of the groups also occupy the same places for 1884 as for the average for ten years.

TABLE 74.—*Order of Seven Groups of Causes of Deaths Returned for the Years 1882 to 1884, inclusive, and the Average for Ten Years—1874–1883.*

1882.			1883.			1884.			Average for 10 Years, — 1874–1883.		
Disease of	Number.	Per Cent to all Causes.	Disease of	Number.	Per Cent to all Causes.	Disease of	Number.	Per Cent to all Causes.	Disease of	Number.	Per Cent to all Causes.
All causes.	16,425	100.00	All causes	16,906	100.00	All causes	18,056	100.00	All causes	14,583	100.00
Lungs.....	3,123	19.01	Lungs.....	3,299	19.51	Lungs.....	3,630	20.05	Lungs.....	2,939	20.15
Brain.....	1,856	11.30	Brain.....	1,845	10.91	Bowels...	2,453	13.59	Bowels...	1,796	12.23
Throat.....	1,814	11.04	Bowels...	1,756	10.39	Brain.....	2,137	11.84	Brain.....	1,629	11.17
Bowels....	1,724	10.50	Throat....	1,389	8.22	Throat....	1,425	7.89	Throat....	1,268	8.70
Heart.....	649	3.95	Heart.....	785	4.64	Heart.....	822	4.55	Heart.....	533	3.65
Kidneys...	273	1.66	Kidneys...	345	2.04	Kidneys...	347	1.92	Kidneys...	225	1.54
Liver.....	145	.88	Liver.....	140	.83	Liver.....	154	.85	Liver.....	134	.92
7 groups...	9,584	58.35	7 groups...	9,550	56.54	7 groups...	10,968	60.69	7 groups...	8,536	58.46

TABLE 7b.—*Eleven Geographical Divisions of the State, formed for the purpose of facilitating the study of Causes of Death, with a list of Counties included in each Division.*

Upper Peninsular.	Northwestern.	Northern.	Northeastern.	Western.	Northern- Central.	Bay and Eastern.	Central.	Southwestern.	Southern- Central.	South- eastern.
Baraga.	Benzie.	Antrim.	Alcona.	Kent.	Clare.	Arenac.	Barry.	Allegan.	Branch.	Macomb.
Chippewa. ^a	Gr. Traverse.	Charlevoix.	Alpena.	Lake.	Gladwin. ^s	Bay. ¹	Clinton.	Berrien.	Calhoun.	Monroe.
Delta.	Leelanaw.	Cheboygan.	Iosco.	Mason.	Isabella.	Huron.	Eaton.	Cass.	Hillsdale.	Oakland.
Houghton.	Manistee.	Crawford. [*]	Montmorency.	Muskegon.	Mecosta.	Lapeer.	Genesee.	Van Buren.	Jackson.	Wayne.
Isle Royal. ^b	Manitou.	Emmet.	Ogemaw. ¹	Newaygo.	Midland.	Saginaw.	Gratiot.		Kalamazoo.	
Keweenaw.	Missaukee. ^d	Kalkaska.	Oscoda.	Oceana.	Roscommon. ^b	Sanilac.	Ingham.		Lenawee.	
Mackinac.	Wexford.	Otsego.	Presque Isle.	Oscola.		St. Clair.	Ionia.		St. Joseph.	
Marquette.				Ottawa.		Tuscola.	Livingston.		Washtenaw.	
Menominee.							Montcalm.			
Ontonagon.							Shiawassee.			
Schoolcraft. ^e										

No returns of deaths from the following townships:

^a McMillan. ^b All townships. ^c Burt, Onota and Thompson. ^d Reeder. ^e Grayling. ^f Cumming. ^g Billings. ^h Higgins. ⁱ Bangor.

DEATHS, 1884, BY CLASSES OF CAUSES, BY DIVISIONS OF THE STATE.

Table 76 affords an opportunity for a comparison of the various geographical divisions of the State as regards rates of mortality.

The table as given below is more valuable than the ones published for the last two years, for the reason that in those tables the population of 1880 was used as a basis, while in this table the present population has been used. For this reason, as might be expected, the death-rate has fallen off considerably in nearly all the divisions, from that of 1883. The northeastern division shows the lowest death-rate for 1884, and the southeastern division much the highest death-rate. In 1883 the divisions showing the lowest and highest death-rate respectively, were the southwestern and northwestern.

The southeastern division, which shows a much higher death-rate for 1884 than any other division, includes the county of Wayne and the City of Detroit, and it may be stated as a fact that the registration of deaths for this division is more full and complete than for any other of the geographical divisions of the State. On the other hand the returns from some of the counties included in the northeastern division, which shows the lowest death-rate, were very incomplete; as may be seen from the fact that for one township of Alcona county (which is included in this division), having a population of over 1,700, it was reported that no deaths had occurred during the year. These things must be taken into consideration in looking over the table.

The largest proportion of deaths in the State at large, was caused by local diseases; the smallest by violent deaths. As in 1883, it will be seen that in the northern part of the State, and also in the southeastern division, zymotic diseases caused the largest proportion of deaths; while in the other divisions, the largest proportion was caused by local diseases.

Table 77 shows the diseases included in each of these classes, and the counties in which deaths from them occurred.

TABLE 76.—*Exhibiting, by Geographical Divisions, the Number of Deaths, the Per Cent of Deaths in 1884 to Population in 1884, the Per Cent of Deaths for each Division to Total Deaths for the State, and the Per Cent of Deaths from each Class of Causes to Deaths from All Causes.*

State and Geographical Divisions.	Population June 1, 1884, Represented by Deaths in 1884.	Deaths Reported, 1884.		Per Cent of all Deaths in 1884 to Population in 1884.	Per Cent of Deaths from each class of Causes to Deaths from all Causes, by Geographical Divisions.					
		Number.	Per Cent of Total.		Class I.—Zymotic Diseases.	Class II.—Constitutional Diseases.	Class III.—Local Diseases.	Class V.—Developmental Diseases.	Class V.—Violent Deaths.	Unknown and Unclassified.
State	1,848,898	18,056	100.00	.98	25.90	17.14	29.66	15.95	4.97	6.37
Upper Peninsular	114,562	1,112	6.16	.97	25.72	10.52	20.41	17.18	10.16	16.01
Northwestern	58,164	536	2.97	.92	25.37	13.06	23.13	21.46	5.78	11.19
Northern	45,868	382	2.12	.83	28.01	18.06	20.16	16.75	4.19	12.83
Northeastern	37,071	251	1.39	.68	21.91	9.96	28.29	12.35	9.16	18.32
Western	226,655	1,806	10.00	.80	26.30	16.72	28.79	15.61	5.81	6.76
Northern Central	54,126	439	2.43	.81	32.35	15.03	28.25	14.81	4.56	5.01
Bay and Eastern	291,361	3,057	16.93	1.05	25.71	16.72	26.09	18.42	5.10	7.36
Central	299,364	2,402	13.30	.80	25.02	18.48	34.08	13.28	4.25	4.28
Southwestern	127,965	1,007	5.58	.79	20.85	22.24	31.58	14.70	6.65	3.97
Southern Central	299,000	2,709	15.00	.91	19.97	19.49	35.14	16.35	4.36	4.69
Southeastern	294,712	4,355	24.12	1.48	30.70	16.97	29.71	15.13	8.38	4.11

TABLE 77.—CAUSES OF DEATH.—NOSOLOGICAL ARRANGEMENT.
Showing the Number of Reported Deaths in Michigan, and in each County of the State, during the Year 1884, from Specified Causes, Statistically Classified. (Still-births Included.)

Causes of Death, 1884.	State.	Counties, 1884.														
		Alcona.	Allegan.	Alpena.	Antrim.	Arenac.	Baraga.	Barry.	Bay.	Benzie.	Berrien.	Branch.	Calhoun.	Cass.	Charlevoix.	Cheboygan.
All Causes.....	18,056	18 332	92 51	39 30	158 562	38 239	444 181	86 79	50 44	213 7	98 238	99 297	8 95			
Specified Causes.....	16,088	14 319	84 50	34 17	148 567	31 273	421 175	81 66	47 44	205 7	77 273	75 236	6 89			
Causes not Specified.....	1,968	4 13	8 1	5 13	10 25	8 16	8 23	6 5	13 3	8	16 15	24 11	2 6			
CLASSES.																
I. Zymotic Diseases.....	4,676	8 73	19 22	6 6	24 168	7 48	42 77	50 30	14 11	17 58	2 83	85 24	52 4	30		
II. Constitutional Diseases.....	3,095	3 81	8 9	13 3	31 104	4 63	43 83	30 17	11 10	4 36	1 11	49 21	74 2	13		
III. Local Diseases.....	5,356	3 101	37 11	4 5	68 158	10 91	89 157	57 19	17 14	17 73	3 15	99 16	107 18			
IV. Developmental Diseases.....	2,890	3 46	7 5	10 1	18 103	9 54	43 88	29 10	19 7	4 27	1 11	30 12	41 17			
V. Violent deaths.....	888	2 18	12 3	1 1	7 32	1 16	6 20	9 5	4 4	2 9	5 10	2 12	11			
Unclassified.....	83		1		2	1	2	1	1	3	2					
ORDERS.																
I.—1. Miasmatic Diseases.....	4,630	3 73	19 21	6 6	24 168	7 47	42 77	50 30	14 11	17 58	2 82	84 24	51 4	30		
2. Enanthic Diseases.....	19					1										
3. Dietic Diseases.....	14															
4. Parasitic Diseases.....	13															
II.—1. Diathetic Diseases.....	747	14 2		2 1	6 18	13 14	23 6	8 2	4 1	8	2 5	2 21	5			
2. Tubercular Diseases.....	2,345	3 67	6 9	11 2	25 86	4 50	29 57	24 14	9 6	3 27	1 9	44 19	53 2	8		

III.—1. Diseases of Nervous System.....	1,340	1	40	10	4	1	32	00	4	20	25	41	14	10	0	9	20	1	7	41	0	00	7
2. Diseases of Organs of Circulation.....	804		16	4	2		11	18		15	19	24	13	3	2	1	2	13		1	18	3	13
3. Diseases of Respiratory Organs.....	1,211		22	11	1	2	2	11	46	3	31	16	39	15	4	3	3	1	8	2	8	14	4
4. Diseases of Digestive Organs.....	835		2	14	5	3	2	8	20	3	11	16	30	7	3	2	4	4	12		3	18	5
5. Diseases of Urinary Organs.....	351		5	1			4	4		6	8	12	7	3	4	1	1	9		7	1	13	
6. Diseases of Generative Organs.....	32		2					2		1		1					4						
7. Diseases of Organs of Locomotion.....	16			1													2		1		2		
8. Diseases of Integumentary System.....	117		2		1		2	2		1	1	4	1				2		1		1	1	
IV.—1. Developmental Diseases of Children.....	1,528		2	11	4	5	6	1	9	56	6	32	19	47	13	5	15	2	4	13	1	4	18
2. Developmental Diseases of Women.....	242		1	5	3		1		4	11	1	2	4	6	5		3	2	1		2	2	4
3. Developmental Diseases of Old People.....	795		19				2	5	10	1	19	18	27	8	5			2	10		4	10	2
4. Diseases of Nutrition.....	315		11				1		23	1	1	2	3	3	1		1	3		1		3	
V.—1. Accident or Negligence.....	464		1	9	9				1	21	1	9	3	11	3	4	2	3		2		4	1
2. Battle.....																							
3. Homicide.....	25			1	1				1									1	1				
4. Suicide.....	104		3	1				2	1			1	4	1			1	5			2		1
5. Execution.....																							
6. Violent Deaths.....	305		1	6	1	3		1	4	9		7	2	5	5	1	2	1		1	1	3	1
CLASS I.—ZYMOTIC.....	4,676		3	73	19	22	6	6	24	168	7	48	42	77	50	30	14	11	17	58	2	33	85
I.—ORDER 1. Miasmatic.....	4,630		3	73	19	21	6	6	24	168	7	47	42	77	50	30	14	11	17	58	2	32	84
1. Small-pox.....	4																						
2. Measles.....	144		1						6				4					5			9	9	1
3. Scarletina.....	326		2	1	5			1	14		1		1	4	6			9			3	11	1
4. Diphtheria.....	1,065		3		5			1	14			8	11	7	7	10	2	5	4	6		1	21
5. Quinsy.....	10		1																				
6. Croup.....	325		12	8	1	2		1	11	2	9	1	5	4			1	1		2		2	1

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TABLE 77.—CONTINUED.—*Causes of Death, Classified.*

Causes of Death,—1884.	Counties, 1884.																									
	State.	Alcona.	Allegan.	Alpena.	Antrim.	Arenac.	Baraga.	Barry.	Bay.	Benzie.	Berrien.	Branch.	Calhoun.	Cass.	Charlevoix.	Cheboygan.	Chippewa.	Clare.	Clinton.	Crawford.	Delta.	Eaton.	Emmet.	Genesee.	Gladwin.	Gr. Traverse.
3. Phthisis (Consumption of Lungs).....	2,220	2	67	6	9	11	2	24	80	4	48	29	53	22	14	9	6	3	27	1	9	43	19	48	2	7
4. Hydrocephalus.....	8																							1		
5. Marasmus.....	44																							2		
CLASS III.—LOCAL DISEASES.....	5,356	3	101	37	11	4	5	68	158	10	91	88	157	57	19	17	14	17	73	3	15	99	16	107		18
III.—ORDER 1. Nervous System.....	1,990	1	40	15	4		1	32	66	4	26	28	47	14	6	5	5	9	23	1	7	41	3	35		9
1. Cephalitis.....	310		8	7				2	14		10	1		1			1		3		2	3		2		4
2. Apoplexy.....	130		4	1	1			1	3		2	3	6	1	1				3			3		5		
3. Paralysis.....	410		10	1				9	3		4	13	17	6	2	1		1	5	1	1	9	1	17		2
4. Insanity.....	18							1	1										1							
5. Chorea.....	4																						1			
6. Epilepsy.....	43		2					1	1		2	2	1					1	2			1				
7. Tetanus.....	7																									
8. Convulsions.....	436		1	4				1	12			3	4	2	3		3	3	2		2	5		2		
9. } Brain Disease.....	356	1	10					8	18	1	4	4	7	2	3		3	3	2		2	7	1	5		1
9. } Dropsy of Brain.....	41								2		1	1	2		1											
10. Spinal Fever.....	107		4	2	1			7	2	1		1	1	2				1	4			9		1		1
11. Spotted Fever.....	1																									
12. Meningitis.....	16							1	1	2																
13. Meningitis, Cerebro-spinal.....	13								1		2													2		
14. Meningitis, Spinal.....	101		1		2			1	9	1		9							1	1		4	1			

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CAUSES OF DEATH, CLASSIFIED.

104	3	1	92	1	1	4	1	1	5	2	1	1	8	1	2	8							
15	1								3														
9			1																				
2									1														
13									1														
65	2	1	1	1	1	4	1	1	1					2	1								
V.-ORDER 5. Execution.																							
1.-Hanging																							
V.-ORDER 6. Violent Deaths not included above.																							
305	1	6	1	8	1	4	9	7	2	5	5	1	2	1	1	8	1	2	8				
88		1			1		2	1	2	1			1	1		3	2						
4																							
17							1	1	1	1													
44		1		1			1									2							
18					1		1						1	1		1	2						
1,008	4	13	8	1	5	13	10	25	8	16	8	23	6	5	13	3	8	16	15	24	11	2	6
Causes not Specified																							

TABLE 77.—(CONTINUED).—Causes of Death, Classified.

Causes of Death, 1884.	Counties, 1884.																
	Alcona	Alcona	Alcona	Alcona	Alcona	Alcona	Alcona	Alcona	Alcona	Alcona	Alcona	Alcona	Alcona	Alcona	Alcona	Alcona	Alcona
.....	250	217	254	253	253	228	76	165	265	225	26	633	44	35	242	70	379
.....	101	237	236	234	234	223	65	157	342	317	33	508	40	35	250	67	380
.....	9	10	14	25	15	5	10	6	13	8	3	37	4	3	12	19	4
.....	50	61	70	52	45	56	27	60	43	40	11	156	7	7	64	22	66
.....	34	60	32	29	46	47	8	23	68	62	6	115	3	3	37	10	85
.....	76	116	54	44	121	74	17	49	119	110	6	190	12	9	98	20	122
.....	24	42	52	71	46	37	9	24	51	39	8	98	6	10	48	12	65
.....	4	14	24	11	14	5	5	1	19	13	1	36	12	6	13	3	16
.....	1	1	1	1	2	1	1	2	3	1	1	1	1	1	1	3	2
.....	60	60	60	62	45	55	27	60	81	88	11	154	7	7	63	22	68
.....	1	1	1	1	1	1	1	1	2	2	2	154	7	7	63	22	68
.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
.....	14	19	7	8	17	8	1	6	17	17	17	38	2	10	8	23	10
.....	30	41	26	21	49	39	7	17	51	45	6	82	8	1	27	7	62

1. Diseases of Nervous System.....	361	44	17	12	46	30	7	23	52	35	3	52	1	4	34	5	45	13	1	45	12	1	42	15	8	5	7
2. Diseases of Organs of Circulation.....	11	21	5	5	14	17	1	4	29	19	3	38	2	2	13	4	21	12	28	0	1	8	1	6	4		
3. Diseases of Respiratory Organs.....	11	21	12	14	30	12	4	14	20	24	...	54	4	1	17	5	18	7	5	21	9	...	27	8	9	10	8
4. Diseases of Digestive Organs.....	11	16	17	11	20	10	1	5	8	22	...	22	4	2	22	3	15	15	1	13	11	7	7	6	8	5	
5. Diseases of Urinary Organs.....	5	8	1	...	9	7	3	3	6	7	...	19	1	...	7	3	20	5	6	1	...	1	3	2	1		
6. Diseases of Generative Organs.....	2	...	...	...	...	...	...	1	1	1	...	1	1	...	1	...	1	...	2	...	...	...	...	...	1	
7. Diseases of Organs of Locomotion.....	...	...	...	...	...	...	...	1	1	1	...	1	1	...	1	...	...	...	...	...	...	...	1	...	...
8. Diseases of Integumentary System.....	1	4	2	2	2	2	1	...	2	2	3	...	...	...	2	...	2	...	4	3	1	...	...	1	...	
IV.—1. Developmental Diseases of Children.....	13	11	26	45	12	19	9	15	22	19	4	55	6	7	22	9	29	4	2	22	48	50	18	16	24	9	
2. Developmental Diseases of Women.....	2	2	2	10	2	3	...	5	5	4	2	11	...	1	8	1	5	1	...	6	1	4	1	3	1		
3. Developmental Diseases of Old People.....	9	27	6	15	20	13	...	2	19	13	2	27	...	2	17	2	29	6	2	20	2	13	2	3	5	3	
4. Diseases of Nutrition.....	2	18	1	12	2	2	...	2	5	3	...	5	...	...	1	...	2	...	3	...	6	...	...	...	...
V.—1. Accident or Negligence.....	4	10	11	8	4	2	3	...	10	6	...	22	7	4	7	2	5	4	8	9	6	1	4	4	6	4	
2. Battle.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3. Homicide.....	1	1	...	...	...	...	...	1	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
4. Suicide.....	2	2	2	1	4	1	...	3	5	...	5	...	...	...	1	...	2	1	...	3	...	2	...	1	...	
5. Execution.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6. Violent Deaths.....	2	5	14	2	10	3	1	1	5	1	1	9	5	1	6	1	8	1	2	3	1	34	4	8	2		
CLASS I.—ZYMOTIC.....	50	61	70	52	85	56	27	60	83	90	11	156	7	7	64	22	69	32	13	81	39	95	24	48	42	10	
I.—ORDER 1. Miasmatic.....	50	60	69	52	85	55	27	60	81	88	11	154	7	7	63	22	68	32	13	80	38	95	24	48	42	10	
1. Small-pox.....	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2. Measles.....	3	...	...	9	4	1	...	1	...	...	1	...	...	...	2	...	1	...	1	...	...	3	...	1	2	
3. Scarletina.....	9	3	...	10	6	6	...	6	3	3	...	6	...	...	5	8	21	1	...	1	4	5	4	2	4	
4. Diphtheria.....	7	3	13	12	11	13	7	21	9	55	2	28	8	10	1	15	9	27	8	39	15	8	3		
5. Quinsy.....	1	1	1		
6. Croup.....	3	1	13	2	2	...	2	2	8	4	...	7	1	3	1	1	5	6	...	8	...	1	3	1	

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TABLE 77.—CONTINUED.—*Causes of Death, Classified.*

Counties, 1884.																									
Causes of Death,—1884.																									
Hillsdale.	Houghton.	Huron.	Ingham.	Ionia.	Iosco.	Isabella.	Jackson.	Kalamazoo.	Kalkaska.	Kent.	Keweenaw.	Lake.	Lapeer.	Leelanaw.	Lenawee.	Livingston.	MacKinnac.	Macomb.	Manistee.	Marquette.	Mason.	Meosia.	Menominee.	Midland.	
18	38	24	19	43	36	7	16	48	44	6	77	3	1	26	7	59	15	6	44	11	27	11	18	9	8
3. Phthisis (Consumption of Lungs).....																									
4. Hydrocephalus.....																									
5. Marasmus.....																									
CLASS III.—LOCAL DISEASES.																									
III.—ORDER I. Nervous System.....																									
1. Cephalitis.....																									
2. Apoplexy.....																									
3. Paralysis.....																									
4. Insanity.....																									
5. Chorea.....																									
6. Epilepsy.....																									
7. Tetanus.....																									
8. Convulsions.....																									
9. Brain Disease.....																									
9. Dropsy of Brain.....																									
10. Spinal Fever.....																									
11. Spotted Fever.....																									
12. Meningitis.....																									
13. Meningitis, Cerebro-spinal.....																									
14. Meningitis, Spinal.....																									

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CAUSES OF DEATH, CLASSIFIED.

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. Diseases of; Nervous System.....																						
2. Diseases of Organs of Circulation.....																						
3. Diseases of Respiratory Organs.....																						
4. Diseases of Digestive Organs.....																						
5. Diseases of Urinary Organs.....																						
6. Diseases of Generative Organs.....																						
7. Diseases of Organs of Locomotion.....																						
8. Diseases of Integumentary System.....																						
IV.—1. Developmental Diseases of Children.....																						
2. Developmental Diseases of Women.....																						
3. Developmental Diseases of Old People.....																						
4. Diseases of Nutrition.....																						
V.—1. Accident or Negligence.....																						
2. Battle.....																						
3. Homicide.....																						
4. Suicide.....																						
5. Execution.....																						
6. Violent Deaths.....																						
CLASS I.—ZYMOTIC.....																						
I.—ORDER 1. Miasmatic.....																						
1. Small-pox.....																						
2. Measles.....																						
3. Scarlatina.....																						
4. Diphtheria.....																						
5. Quinsy.....																						
6. Croup.....																						

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TABLE 77.—CONTINUED.—*Causes of Death, Classified.*

Causes of Death,—1884.	Counties, 1884.																									
	Missaukee.	Monroe.	Montcalm.	Montmorency.	Muskegon.	Newaygo.	Oakland.	Oceana.	Ogemaw.	Ontonagon.	Oscoda.	Otsego.	Ottawa.	Presque Isle.	Roscommon.	Saginaw.	Sault Ste. Marie.	Shiawassee.	St. Clair.	St. Joseph.	Tuscola.	Van Buren.	Washtenaw.	Wayne.		
3. Phthisis (Consumption of Lungs).....	4	37	32	35	7	44	21	1	3	12	2	4	38	1	120	37	2	28	55	41	33	29	48	404	13	
4. Hydrocephalus.....																			1		1			2		
5. Marasmus.....													1							8				32		
CLASS III.—LOCAL DISEASES.....	6	91	86	104	14	114	42	3	9	30	4	5	96	6	1	241	67	1	74	128	111	78	69	129	978	23
III.—ORDER 1. Nervous System.....	28	30	41	7	40	21	1	1	1	10			29	3		100	35	1	29	44	45	24	19	47	410	8
1. Cephalitis.....	8	5	16	3	2	7	1			4			9			18	10		1	10	4	2	1	4	47	1
2. Apoplexy.....		2	1						1				1			5						1	2	3	10	30
3. Paralysis.....	9	6	4	1	17	2				2			3			13	5		7	9	18	4	5	12	62	
4. Insanity.....	1					1							1			1			1	1		1		1	3	
5. Chorea.....						1																			1	
6. Epilepsy.....	1		1	1	2	1				1						1			3		1		1	1	1	
7. Tetanus.....			1																						1	
8. Convulsions.....		2	5	1	4	3							11	3		34	8		7	8	5		6	182	2	
9. { Brain Disease.....	3	6	7		7	5				1			2			9	9	1	10	12	13	7	6	7	70	1
{ Dropsy of Brain.....			1		4											1			1	1	1	2		2	8	
10. Spinal Fever.....	3	9	3	1		2				1			1			1	1		2		1	1	4		3	
11. Spotted Fever.....																										
12. Meningitis.....			2			1													2						5	
13. Meningitis, Cerebro-spinal.....																			1	1				1		
14. Meningitis, Spinal.....	3			1	1					1			1			19	1		4	1	1				3	

CAUSES OF DEATH, SPECIFIED.

	March	April	May	June	July	August	September	October	November	December	Unknown.	1884.	1885.	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.	1903.	1904.	1905.	1906.	1907.	1908.	1909.	1910.	1911.	1912.	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.	1921.	1922.	1923.	1924.	1925.	1926.	1927.	1928.	1929.	1930.	1931.	1932.	1933.	1934.	1935.	1936.	1937.	1938.	1939.	1940.	1941.	1942.	1943.	1944.	1945.	1946.	1947.	1948.	1949.	1950.	1951.	1952.	1953.	1954.	1955.	1956.	1957.	1958.	1959.	1960.	1961.	1962.	1963.	1964.	1965.	1966.	1967.	1968.	1969.	1970.	1971.	1972.	1973.	1974.	1975.	1976.	1977.	1978.	1979.	1980.	1981.	1982.	1983.	1984.	1985.	1986.	1987.	1988.	1989.	1990.	1991.	1992.	1993.	1994.	1995.	1996.	1997.	1998.	1999.	2000.	2001.	2002.	2003.	2004.	2005.	2006.	2007.	2008.	2009.	2010.	2011.	2012.	2013.	2014.	2015.	2016.	2017.	2018.	2019.	2020.	2021.	2022.	2023.	2024.	2025.	2026.	2027.	2028.	2029.	2030.	2031.	2032.	2033.	2034.	2035.	2036.	2037.	2038.	2039.	2040.	2041.	2042.	2043.	2044.	2045.	2046.	2047.	2048.	2049.	2050.	2051.	2052.	2053.	2054.	2055.	2056.	2057.	2058.	2059.	2060.	2061.	2062.	2063.	2064.	2065.	2066.	2067.	2068.	2069.	2070.	2071.	2072.	2073.	2074.	2075.	2076.	2077.	2078.	2079.	2080.	2081.	2082.	2083.	2084.	2085.	2086.	2087.	2088.	2089.	2090.	2091.	2092.	2093.	2094.	2095.	2096.	2097.	2098.	2099.	2100.	2101.	2102.	2103.	2104.	2105.	2106.	2107.	2108.	2109.	2110.	2111.	2112.	2113.	2114.	2115.	2116.	2117.	2118.	2119.	2120.	2121.	2122.	2123.	2124.	2125.	2126.	2127.	2128.	2129.	2130.	2131.	2132.	2133.	2134.	2135.	2136.	2137.	2138.	2139.	2140.	2141.	2142.	2143.	2144.	2145.	2146.	2147.	2148.	2149.	2150.	2151.	2152.	2153.	2154.	2155.	2156.	2157.	2158.	2159.	2160.	2161.	2162.	2163.	2164.	2165.	2166.	2167.	2168.	2169.	2170.	2171.	2172.	2173.	2174.	2175.	2176.	2177.	2178.	2179.	2180.	2181.	2182.	2183.	2184.	2185.	2186.	2187.	2188.	2189.	2190.	2191.	2192.	2193.	2194.	2195.	2196.	2197.	2198.	2199.	2200.	2201.	2202.	2203.	2204.	2205.	2206.	2207.	2208.	2209.	2210.	2211.	2212.	2213.	2214.	2215.	2216.	2217.	2218.	2219.	2220.	2221.	2222.	2223.	2224.	2225.	2226.	2227.	2228.	2229.	2230.	2231.	2232.	2233.	2234.	2235.	2236.	2237.	2238.	2239.	2240.	2241.	2242.	2243.	2244.	2245.	2246.	2247.	2248.	2249.	2250.	2251.	2252.	2253.	2254.	2255.	2256.	2257.	2258.	2259.	2260.	2261.	2262.	2263.	2264.	2265.	2266.	2267.	2268.	2269.	2270.	2271.	2272.	2273.	2274.	2275.	2276.	2277.	2278.	2279.	2280.	2281.	2282.	2283.	2284.	2285.	2286.	2287.	2288.	2289.	2290.	2291.	2292.	2293.	2294.	2295.	2296.	2297.	2298.	2299.	2300.	2301.	2302.	2303.	2304.	2305.	2306.	2307.	2308.	2309.	2310.	2311.	2312.	2313.	2314.	2315.	2316.	2317.	2318.	2319.	2320.	2321.	2322.	2323.	2324.	2325.	2326.	2327.	2328.	2329.	2330.	2331.	2332.	2333.	2334.	2335.	2336.	2337.	2338.	2339.	2340.	2341.	2342.	2343.	2344.	2345.	2346.	2347.	2348.	2349.	2350.	2351.	2352.	2353.	2354.	2355.	2356.	2357.	2358.	2359.	2360.	2361.	2362.	2363.	2364.	2365.	2366.	2367.	2368.	2369.	2370.	2371.	2372.	2373.	2374.	2375.	2376.	2377.	2378.	2379.	2380.	2381.	2382.	2383.	2384.	2385.	2386.	2387.	2388.	2389.	2390.	2391.	2392.	2393.	2394.	2395.	2396.	2397.	2398.	2399.	2400.	2401.	2402.	2403.	2404.	2405.	2406.	2407.	2408.	2409.	2410.	2411.	2412.	2413.	2414.	2415.	2416.	2417.	2418.	2419.	2420.	2421.	2422.	2423.	2424.	2425.	2426.	2427.	2428.	2429.	2430.	2431.	2432.	2433.	2434.	2435.	2436.	2437.	2438.	2439.	2440.	2441.	2442.	2443.	2444.	2445.	2446.	2447.	2448.	2449.	2450.	2451.	2452.	2453.	2454.	2455.	2456.	2457.	2458.	2459.	2460.	2461.	2462.	2463.	2464.	2465.	2466.	2467.	2468.	2469.	2470.	2471.	2472.	2473.	2474.	2475.	2476.	2477.	2478.	2479.	2480.	2481.	2482.	2483.	2484.	2485.	2486.	2487.	2488.	2489.	2490.	2491.	2492.	2493.	2494.	2495.	2496.	2497.	2498.	2499.	2500.	2501.	2502.	2503.	2504.	2505.	2506.	2507.	2508.	2509.	2510.	2511.	2512.	2513.	2514.	2515.	2516.	2517.	2518.	2519.	2520.	2521.	2522.	2523.	2524.	2525.	2526.	2527.	2528.	2529.	2530.	2531.	2532.	2533.	2534.	2535.	2536.	2537.	2538.	2539.	2540.	2541.	2542.	2543.	2544.	2545.	2546.	2547.	2548.	2549.	2550.	2551.	2552.	2553.	2554.	2555.	2556.	2557.	2558.	2559.	2560.	2561.	2562.	2563.	2564.	2565.	2566.	2567.	2568.	2569.	2570.	2571.	2572.	2573.	2574.	2575.	2576.	2577.	2578.	2579.	2580.	2581.	2582.	2583.	2584.	2585.	2586.	2587.	2588.	2589.	2590.	2591.	2592.	2593.	2594.	2595.	2596.	2597.	2598.	2599.	2600.	2601.	2602.	2603.	2604.	2605.	2606.	2607.	2608.	2609.	2610.	2611.	2612.	2613.	2614.	2615.	2616.	2617.	2618.	2619.	2620.	2621.	2622.	2623.	2624.	2625.	2626.	2627.	2628.	2629.	2630.	2631.	2632.	2633.	2634.	2635.	2636.	2637.	2638.	2639.	2640.	2641.	2642.	2643.	2644.	2645.	2646.	2647.	2648.	2649.	2650.	2651.	2652.	2653.	2654.	2655.	2656.	2657.	2658.	2659.	2660.	2661.	2662.	2663.	2664.	2665.	2666.	2667.	2668.	2669.	2670.	2671.	2672.	2673.	2674.	2675.	2676.	2677.	2678.	2679.	2680.	2681.	2682.	2683.	2684.	2685.	2686.	2687.	2688.	2689.	2690.	2691.	2692.	2693.	2694.	2695.	2696.	2697.	2698.	2699.	2700.	2701.	2702.	2703.	2704.	2705.	2706.	2707.	2708.	2709.	2710.	2711.	2712.	2713.	2714.	2715.	2716.	2717.	2718.	2719.	2720.	2721.	2722.	2723.	2724.	2725.	2726.	2727.	2728.	2729.	2730.	2731.	2732.	2733.	2734.	2735.	2736.	2737.	2738.	2739.	2740.	2741.	2742.	2743.	2744.	2745.	2746.	2747.	2748.	2749.	2750.	2751.	2752.	2753.	2754.	2755.	2756.	2757.	2758.	2759.	2760.	2761.	2762.	2763.	2764.	2765.	2766.	2767.	2768.	2769.	2770.	2771.	2772.	2773.	2774.	2775.	2776.	2777.	2778.	2779.	2780.	2781.	2782.	2783.	2784.	2785.	2786.	2787.	2788.	2789.	2790.	2791.	2792.	2793.	2794.	2795.	2796.	2797.	2798.	2799.	2800.	2801.	2802.	2803.	2804.	2805.	2806.	2807.	2808.	2809.	2810.	2811.	2812.	2813.	2814.	2815.	2816.	2817.	2818.	2819.	2820.	2821.	2822.	2823.	2824.	2825.	2826.	2827.	2828.	2829.	2830.	2831.	2832.	2833.	2834.	2835.	2836.	2837.	2838.	2839.	2840.	2841.	2842.	2843.	2844.	2845.	2846.	2847.	2848.	2849.	2850.	2851.	2852.	2853.	2854.	2855.	2856.	2857.	2858.	2859.	2860.	2861.	2862.	2863.	2864.	2865.	2866.	2867.	2868.	2869.	2870.	2871.	2872.	2873.	2874.	2875.	2876.	2877.	2878.	2879.	2880.	2881.	2882.	2883.	2884.	2885.	2886.	2887.	2888.	2889.	2890.	2891.	2892.	2893.	2894.	2895.	2896.	2897.	2898.	2899.	2900.	2901.	2902.	2903.	2904.	2905.	2906.	2907.	2908.	2909.	2910.	2911.	2912.	2913.	2914.	2915.	2916.	2917.	2918.	2919.	2920.	2921.	2922.	2923.	2924.	2925.	2926.	2927.	2928.	2929.	2930.	2931.	2932.	2933.	2934.	2935.	2936.	2937.	2938.	2939.	2940.	2941.	2942.	2943.	2944.	2945.	2946.	2947.	2948.	2949.	2950.	2951.	2952.	2953.	2954.	2955.	2956.	2957.	2958.	2959.	2960.	2961.	2962.	2963.	2964.	2965.	2966.	2967.	2968.	2969.	2970.	2971.	2972.	2973.	2974.	2975.	2976.	2977.	2978.	2979.	2980.	2981.	2982.	2983.	2984.	2985.	2986.	2987.	2988.	2989.	2990.	2991.	2992.	2993.	2994.	2995.	2996.	2997.	2998.	2999.	3000.	3001.	3002.	3003.	3004.	3005.	3006.	3007.	3008.	3009.	3010.	3011.	3012.	3013.	3014.	3015.	3016.	3017.	3018.	3019.	3020.	3021.	3022.	3023.	3024.	3025.	3026.	3027.	3028.	3029.	3030.	3031.	3032.	3033.	3034.	3035.	3036.	3037.	3038.	3039.	3040.	3041.	3042.	3043.	3044.	3045.	3046.	3047.	3048.	3049.	3050.	3051.	3052.	3053.	3054.	3055.	3056.	3057.	3058.	3059.	3060.	3061.	3062.	3063.	3064.	3065.	3066.	3067.	3068.	3069.	3070.	3071.	3072.	3073.	3074.	3075.	3076.	3077.	3078.	3079.	3080.	3081.	3082.	3083.	3084.	3085.	3086.	3087.	3088.	3089.	3090.	3091.	3092.	3093.	3094.	3095.	3096.	3097.	3098.	3099.	3100.	3101.	3102.	3103.	3104.	3105.	3106.	3107.	3108.	3109.	3110.	3111.	3112.	3113.	3114.	3115.	3116.	3117.	3118.	3119.	3120.	3121.	3122.	3123.	3124.	3125.	3126.	3127.	3128.	3129.	3130.	3131.	3132.	3133.	3134.	3135.	3136.	3137.	3138.	3139.	3140.	3141.	3142.	3143.	3144.	3145.	3146.	3147.	3148.	3149.	3150.	3151.	3152.	3153.	3154.	3155.	3156.	3157.	3158.	3159.	3160.	3161.	3162.	3163.	3164.	3165.	3166.	3167.	3168.	3169.	3170.	3171.	3172.	3173.	3174.	3175.	3176.	3177.	3178.	3179.	3180.	3181.	3182.	3183.	3184.	3185.	3186.	3187.	3188.	3189.	3190.	3191.	3192.	3193.	3194.	3195.	3196.	3197.	3198.	3199.	3200.	3201.	3202.	3203.	3204.	3205.	3206.	3207.	3208.	3209.	3210.	3211.	3212.	3213.	3214.	3215.	3216.	3217.	3218.	3219.	3220.	3221.	3222.	3223.	3224.	3225.	3226.	3227.	3228.	3229.	3230.	3231.	3232.	3233.	3234.	3235.	3236.	3237.	3238.	3239.	3240.	3241.	3242.	3243.	3244.	3245.	3246.	3247.	3248.	3249.	3250.	3251.</
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III.—ORDER 6. Generative Organs.									
1. { Ovarian Disease.									
2. { Ovarian Tumor.									
3. Disease of Uterus.									
4. Hydrocele.									
III.—ORDER 7. Organs of Locomotion.									
1. Arthritis.									
2. Joint Diseases.									
III.—ORDER 8. Integumentary System.									
1. Phlegmon.									
2. Ulcers.									
3. Skin Disease.									
CLASS IV.—DEVELOPMENTAL DISEASES.									
IV.—ORDER 1. Dev. Dis. of Children.									
1. Still-born.									
2. { Infantile.									
3. { Premature Birth.									
4. Cyanosis.									
5. Splna Bifida.									
6. Other Malformations.									
7. Teething.									
8. Injury at Birth.									
IV.—ORDER 2. Dev. Dis. of Women.									
1. { Dysmenorrhœa.									
2. { Turn of Life.									

VITAL STATISTICS OF MICHIGAN, 1884.

TABLE 77.—CONTINUED.—Causes of Death, Classified.

[illegible]

V.—ORDER 4. Suicide.....		1	3	3	6	2	1	2	9	1	1	3	4	10
1. Wounds.....				1	2								1	
2. Poison.....				1	1				1		1			
3. Drowning.....									1					
4. Hanging.....	1				2			2	1		1			
5. Otherwise and not Specified.....	3	1	1	2	1	1	1		6	1		3	3	10
V.—ORDER 5. Execution.....														
1. Hanging.....														
V.—ORDER 6. Violent Deaths not included above.....		2	7	8	2	6	2	2	1	6	1	1	10	5
UNCLASSIFIED.....		1		4	3	14	1		2	1	1	1	5	8
1. Head disease.....														1
2. Hemorrhage.....				1		1	1			1				1
3. Inflammation.....	1			2	3	1		2		1		3		7
4. Otherwise.....				1		12				1				1
Causes not Specified.....	2	13	9	20	7	20	7	5	3	13	2	5	17	4
														29
														106
														13

VITAL STATISTICS OF MICHIGAN, 1884.

TABLE 78.—Exhibiting, by Sex, by Months, by Specified Causes, and by Ages in Periods of Years, the number of Deaths returned for the Year 1884; also by Sex and by Specified Causes, the number of Deaths returned for each of the Years 1879-1884 inclusive. (Still-births included.)

Sex.	DEATHS FROM ALL CAUSES.											
	Months, 1884.						Years.					
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Total....	1087	1181	1421	1382	1456	1266	1630	1917	1877	1752	1528	1615
Males ..	596	610	727	731	748	672	828	1038	999	839	826	854
Females.	486	567	695	645	697	590	802	869	868	810	698	761
Unknown	3	4	9	6	11	8	10	10	10	8	4	4
Under 5.	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	1890
5 to 10.	514	521	574	558	458	401	296	283	272	226	233	247
10 to 15.	541	582	590	759	578	564	569	464	516	540	670	679
15 to 20.	14407	7222	1007	641	682	890	759	578	564	569	464	516
20 to 25.	7522	3656	463	290	308	422	358	280	281	297	228	298
25 to 30.	8645	7410	8910	7684	7748	8385	7748	8385	7748	8385	7748	8385
30 to 35.	8645	7410	8910	7684	7748	8385	7748	8385	7748	8385	7748	8385
35 to 40.	8645	7410	8910	7684	7748	8385	7748	8385	7748	8385	7748	8385
40 to 45.	8645	7410	8910	7684	7748	8385	7748	8385	7748	8385	7748	8385
45 to 50.	8645	7410	8910	7684	7748	8385	7748	8385	7748	8385	7748	8385
50 to 55.	8645	7410	8910	7684	7748	8385	7748	8385	7748	8385	7748	8385
55 to 60.	8645	7410	8910	7684	7748	8385	7748	8385	7748	8385	7748	8385
60 to 65.	8645	7410	8910	7684	7748	8385	7748	8385	7748	8385	7748	8385
65 to 70.	8645	7410	8910	7684	7748	8385	7748	8385	7748	8385	7748	8385
70 to 75.	8645	7410	8910	7684	7748	8385	7748	8385	7748	8385	7748	8385
75 to 80.	8645	7410	8910	7684	7748	8385	7748	8385	7748	8385	7748	8385
80 and over.	8645	7410	8910	7684	7748	8385	7748	8385	7748	8385	7748	8385
Unknown.	3	4	9	6	11	8	10	10	10	8	4	4

CAUSES OF DEATH, SPECIFIED.

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TABLE 78.—CONTINUED.—Specified Causes of Death.

[illegible]

[illegible]

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000	1001	1002	1003	1004	1005	1006	1007	1008	1009	1010	1011	1012	1013	1014	1015	1016	1017	1018	1019	1020	1021	1022	1023	1024	1025	1026	1027	1028	1029	1030	1031	1032	1033	1034	1035	1036	1037	1038	1039	1040	1041	1042	1043	1044	1045	1046	1047	1048	1049	1050	1051	1052	1053	1054	1055	1056	1057	1058	1059	1060	1061	1062	1063	1064	1065	1066	1067	1068	1069	1070	1071	1072	1073	1074	1075	1076	1077	1078	1079	1080	1081	1082	1083	1084	1085	1086	1087	1088	1089	1090	1091	1092	1093	1094	1095	1096	1097	1098	1099	1100	1101	1102	1103	1104	1105	1106	1107	1108	1109	1110	1111	1112	1113	1114	1115	1116	1117	1118	1119	1120	1121	1122	1123	1124	1125	1126	1127	1128	1129	1130	1131	1132	1133	1134	1135	1136	1137	1138	1139	1140	1141	1142	1143	1144	1145	1146	1147	1148	1149	1150	1151	1152	1153	1154	1155	1156	1157	1158	1159	1160	1161	1162	1163	1164	1165	1166	1167	1168	1169	1170	1171	1172	1173	1174	1175	1176	1177	1178	1179	1180	1181	1182	1183	1184	1185	1186	1187	1188	1189	1190	1191	1192	1193	1194	1195	1196	1197	1198	1199	1200	1201	1202	1203	1204	1205	1206	1207	1208	1209	1210	1211	1212	1213	1214	1215	1216	1217	1218	1219	1220	1221	1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Total	6	6	5	3	3	3	2	5	2	6	3	44	45	48	82	68	64	Chills, Congestive	11	1	2	1	4	1	4	3	3	2	1	5	3	
Males	4	4	2	1	2	2	3	1	3	2	24	21	27	44	24	30	"	"	7	1	1	1	3	2	2	1	1	3	2	1	3	2
Females	2	2	3	2	1	1	2	2	1	3	1	20	24	21	38	34	34	"	4	1			1	1	1	3	2	2	2	2	2	
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Total	11	10	10	17	15	29	120	212	219	116	20	5	781	485	487	499	300	Cholera Infantum	704	10												7
Males	9	6	8	9	7	14	66	118	124	62	8	4	435	270	462	286	173	"	427	6												2
Females	2	4	2	8	5	15	53	96	96	54	12		344	195	307	381	211	125	"	335	4										5	
Unknown							1	1					2			4	2	2	"	2												
Total	1	1	1	1	2	13	19	7	4	1			50	24	37	69	38	30	Cholera Morbus	58	2	4	3	1	2	1	2	2	2	2	2	
Males	1					7	11	4	2	1			26	15	26	40	26	16	"	18	1	2		1	1	1	1	1	1	1	1	
Females	1	1	1	2	6	8	3	2					24	8	11	29	12	14	"	10	1	2	3	1	1	2	2	1	1	1	1	
Unknown													1					"	"													
Males														2	6	10	15	4	Cholera													
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Total	1	1	1	1	1	1	1	1	1	1			4	6	2	5	4	1	Chorea	1			1				1					
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Females	1	1	1	1	1								2	3	2	4	2	"	"	10	1	2	3	1	1	2	2	1	1	1	1	
Males	1												1		1			Cirrhosis														
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Total	1	1	2	1	2	1	2	1	1	1			13	19	30	16	17	19	Closing of Pelvic Orifice													
Males	1	1	2	1	2	1	2	1	1	1								1	Clot in Artery													
Females	1						2						4	19	19	4	10	10	"	4												
Total	1	2	2	1	1	1	1	1	1	1			9	7	11	12	7	9	"	5	1		1									
Males													4	1	1	4	2	Colic, Biliary														
Females													2	1	1	2		"														
Total	2	2	1	3	3	4	2	1	1	19	14	15	16	28	7	Colic				12		1	1									
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Total.....										15	21	27	19	16	27	38	31	25	21	21	207	274	191	222	145	139	Debility	176	3	2	4	3	6	1	2	1	4	11	16	11	13	18	12																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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Females										11	11	11	12	9	17	16	11	16	16	15	11	1	157	133	76	101	63	51	"	94		3	3	5	1	2	1	2	3	8	7	9	4	9	6																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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Total.....	4	1	5	4	3	17	35	45	34	5	4	160	111	83	270	155	153	Dysentery.....	115	8	1	2	2	2	1	2	3	3	1	2	2	6	4	4	2					
Males.....	3		3	1	1	12	18	21	18	5		82	66	53	140	84	68	"	60	4	1		1	1	1	1	1	1	1	1	1	1	2	1	2	1				
Females.....	1	1	2	3	2	5	17	27	16	4		78	44	40	130	71	67	"	55	4	1	1	2	1		1	2	3						1	2	2				
Unknown.....													1					"																						
Total.....	2	3		5	1	2	2	2	1	1	19	30	19	21	13	30	20	Dyspepsia.....	3						1	1	2	1	1	4	3	1	1	1	1	1				
Males.....	2	2		2		2	1	2		1	12	18	14	10	10	13		"	2					1	1		1	1	1	1	2	2	1	1	1	1				
Females.....	1		3	1		1		1		1	7	12	5	11	3	7		"	1															2	1	1				
Males.....	1																	Earache.....	1																					
Females.....																		"																						
Males.....												2		1				Embolism.....																						
Females.....												2		3		1		"																						
Males.....													2		1			Emphysema.....																						
Males.....																		Endo-Carditis.....																						
Females.....																		"																						
Total.....	1	6	5	3	6		3	6	5	4	4	43	45	48	63	41	42	Epilepsy.....							5	2	1	4	6	2	3	4	1	2	4	4	1	1		
Males.....	1		5	2	3	6		2	6	3	2	32	30	25	41	18	21	"							4	2	1	4	3	2	2	3		2	3	3	1	1		
Females.....			1	3			1		2	2	2	11	15	23	22	23	21	"							1			3		1	1	1			1	1	1			
Total.....	3	5	14	2	10	4	10	8		3	4	7	1	85	82	86	88	Erysipelas.....	22	3	2	2	2	2	3		3	5	3	4	3	6	4	3	2	2				
Males.....	3	5	7	1	7	3	6	5		2	4	5	1	49	45	52	51	45	"						17	1	1	1	1	1	1	2	2	4	3	1	2	3	3	2
Females.....			7	1	3	1	4	3		1		2		22	40	37	34	47	"						5	2	1	1	1	1	1	1	1	1	3	1	3	1		
Total.....	1	1	1	3	2		1	1	1	3	2	17	13	28				Exhaustion.....	1						1			1		1	1	1	7	1	2	1	1			
Males.....	1	1		3	1		1	1		3	1	12	8	17				"									1		1		1		5	1	2	1				
Females.....																		"																						
Total.....	3			1	1	1	2	1				9	6	12	2	2	2	Exposure.....	3	1					3	1		1	2					1	1					
Males.....	2						1	1				4	5	8	1	2	1	"							1	1								1	1					
Females.....	1			1	1		1					5	1	4		1		"							2			1	2											
Total.....	3	3	4	1		3	2	1	1	1	1	21	17	17	20	22	25	Falling Tree.....							1	2	3	2	4	1				1	1	1	3			
Males.....	3	3	4	1		2	2	1	1	1	1	19	17	17	20	22	25	"							1	2	3	2	3	1				1	1	1	3			

CAUSES OF DEATH, SPECIFIED.

Females.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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CAUSES OF DEATH, SPECIFIED.

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M. 9 1 2 5		1	1	2	1	1	1	2	17	6	10	10	5	9	Peritonitis.	1	3	4	3	2	2	
as																						
Females.															Pharyngitis.							
Total.		2	1		3				6	6	1	3	2		Piles.	1				1	1	
Males.		2	1		2				5	3	1	1	2		"	1				1	1	
Females.					1				1	3		2			"							
Total.	4	3	1	4	1	1	1	2	18	20	16	19	26	20	Pleurisy	1	2	1		2	2	
Males.	2	2	1	2	1	1			10	8	8	8	15	11	"	1		1			1	
Females.	2	1		2		1	2		8	12	8	11	11	9	"		2			1	1	
Total.	2	3	1	1	1	1	1		9	4	4	7	9	4	Pleuro-pneumonia.	1	1	1		3	1	
Males.	2	2		1		1	1		6	2	3	3	5	2	"	1	1	1		2	1	
Females.	1	1		1		1			3	2	1	4	4	2	"			1		1		
Total.	7	10	8	6	7	2	4	3	2	6	6	64	80	82	72	Pneumonia, Typhoid.	8	3	4	6	4	1
Males.	6	6	5	3	4	1	3	2	3		5	3	41	49	68	61	42	"				
Females.	1	4	3	3	3	1	1		2	1	3	23	32	34	55	37	30	"				
Total.	48	101	106	83	67	39	34	42	34	30	90	3	767	737	806	813	337	26	17	20	34	
Males.	41	53	56	52	38	23	19	24	20	12	36	57	2	438	411	403	183	9	9	15	22	
Females.	27	48	48	31	31	15	15	18	14	18	34	33	1	338	386	337	154	17	8	5	12	
Unknown															"							
Total.	1	1	2	2	1	1	2	3	2	1	16	33	22	25	15	Poison.	6	1		2		
Males.	1	1	2	2	1	1	2	1	1	1	13	25	11	13	9	"	5	1	1	1		
Females.															6	"	1					
Males.															1	Prostate, Disease of.						
Males.															1	Prostration.						
Females.																						
Females.	3	3	4	3	2	1	3		2	1	28	43	29	53	37	6	2	10	7	5	2	
Total.	1	1			1		1		2	2	8	12	11	13	8	5	4	2	1	1		
	1	1			1		1		1	2	5	9	8	5	1	"	1	2	1	1		

CAUSES OF DEATH, SPECIFIED.

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	1	4	1	2	3	4	3	6	2	1	6	34	21	20	21	10	24	Rheumatism	2	1	2	1	2	1	3	2	3	1	3	6	3	3	1	3
Females.	2	1	1	1	1	1	1	1	1	1	2	12	8	14	2	1	...	Rupture of Blood Vessel	1	1	1	1	2	2	1	2	2	1	1	2	1	2	1	2
Total	1	...	1	...	1	...	1	1	1	1	6	5	7	"	"	"	1	2	2	
Males	1	1	1	1	1	1	1	1	1	1	1	6	8	7	2	1	...	"	"	"	1	1	1	1	1	1	
Females.	1	1	1	1	1	1	1	1	1	1	1	6	8	7	2	1	...	"	"	"	1	1	1	1	1	1	
Males	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	Scald Head.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total.	1	4	1	1	2	1	3	2	2	3	21	20	26	31	26	21	36	21	Scalding	16	...	3	1	
Males	...	2	1	1	2	1	1	1	2	3	14	15	10	24	23	16	...	"	...	9	...	3	1	
Females.	1	1	2	...	...	...	2	1	...	...	9	7	5	16	7	13	5	"	...	7	...	...	...	...	...	...	...	...	...	...	...	...
Total.	38	42	49	48	32	18	15	22	14	14	19	1	326	675	592	383	370	418	Scarlet Fever.	190	94	28	8	4	2	...	...	...	...	...	...	...
Males	11	19	22	29	10	9	7	13	6	4	9	8	1	148	338	276	196	197	225	"	102	37	5	3	1	...	...	...	...	...	...	...
Females.	27	28	27	19	22	9	8	9	8	10	5	11	178	335	316	196	172	193	"	88	57	23	5	4	1	...	...	...	...	...	...	...
Unknown	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	"	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total.	6	2	2	2	3	2	3	7	4	4	4	1	40	24	28	31	31	35	Scrofula.	20	3	1	3	2	1	2	1	2	2	1	1	
Males	5	1	2	2	3	1	2	3	2	1	2	1	25	12	11	13	20	14	"	13	2	1	3	1	1	...	...	1	1	2	...	...
Females.	1	1	1	1	4	2	3	2	...	15	12	17	18	11	21	"	7	1	...	1	2	1	1	1	1	1	
Males	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	Sea Sickness	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Females.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	"	"	...	...	...	...	...	...	...	...	...	...	...	...	...
Males	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	1	...	"Self Abuse"	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total.	3	10	1	4	12	7	8	12	13	11	9	4	94	113	80	52	18	6	Septicæmia.	11	2	2	6	12	5	7	6	2	1	9	5	5	6	1
Males	1	7	...	2	5	1	4	7	6	3	7	...	43	51	34	29	12	3	"	4	1	4	2	3	1	2	3	2	1	6	3	2	5	1
Females.	2	3	1	2	7	6	4	5	7	8	2	4	51	62	46	23	6	3	"	7	2	1	4	4	9	4	3	4	8	...	3	2	5	1
Total.	1	8	...	1	1	1	1	1	1	1	1	9	4	4	4	5	1	Skin Disease	8	1	
Males	1	2	...	1	1	1	1	1	1	1	4	1	2	2	3	...	...	"	"	4	...	...	...	...	...	...	...	...	...	...	...	...
Females.	1	1	...	1	1	1	1	1	1	1	5	3	2	2	2	1	...	"	"	4		
Males	2	1	3	5	56	47	...	3	Small-pox.	1	2		
Females.	"	"		
Unknown	1	1	"	"		
Males	2	Snake Bite		

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Dejima

CAUSES OF DEATH, SPECIFIED.

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MALES	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000	1001	1002	1003	1004	1005	1006	1007	1008	1009	1010	1011	1012	1013	1014	1015	1016	1017	1018	1019	1020	1021	1022	1023	1024	1025	1026	1027	1028	1029	1030	1031	1032	1033	1034	1035	1036	1037	1038	1039	1040	1041	1042	1043	1044	1045	1046	1047	1048	1049	1050	1051	1052	1053	1054	1055	1056	1057	1058	1059	1060	1061	1062	1063	1064	1065	1066	1067	1068	1069	1070	1071	1072	1073	1074	1075	1076	1077	1078	1079	1080	1081	1082	1083	1084	1085	1086	1087	1088	1089	1090	1091	1092	1093	1094	1095	1096	1097	1098	1099	1100	1101	1102	1103	1104	1105	1106	1107	1108	1109	1110	1111	1112	1113	1114	1115	1116	1117	1118	1119	1120	1121	1122	1123	1124	1125	1126	1127	1128	1129	1130	1131	1132	1133	1134	1135	1136	1137	1138	1139	1140	1141	1142	1143	1144	1145	1146	1147	1148	1149	1150	1151	1152	1153	1154	1155	1156	1157	1158	1159	1160	1161	1162	1163	1164	1165	1166	1167	1168	1169	1170	1171	1172	1173	1174	1175	1176	1177	1178	1179	1180	1181	1182	1183	1184	1185	1186	1187	1188	1189	1190	1191	1192	1193	1194	1195	1196	1197	1198	1199	1200	1201	1202	1203	1204	1205	1206	1207	1208	1209	1210	1211	1212	1213	1214	1215	1216	1217	1218	1219	1220	122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TABLE 79.—CONTINUED.—Specified Causes of Death.

Sex.		Months, 1884.												Years.					Causes of Death.	Ages in Periods of Years,—1884.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1884.	1883.	1882.	1881.		1880.	1879.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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Unknown.
80 and over.
75 to 80.
70 to 75.
65 to 70.
60 to 65.
55 to 60.
50 to 55.
45 to 50.
40 to 45.
35 to 40.
30 to 35.
25 to 30.
20 to 25.
15 to 20.
10 to 15.
5 to 10.
Under 5.

Table 79 gives the deaths which occurred during the year 1884 from those causes which have been compiled as "Casualties." As usual, there are some novel causes of death among the number.

TABLE 79.—Deaths in Michigan in 1884, Compiled as Casualty.

Casualty,—Causes as Returned.	No.	Casualty,—Causes as Returned.	No.
Total number tabulated as Casualty in table 78.....	305	Killed in engine-house.....	1
Accident.....	123	Killed by elevator.....	3
Accidental shooting.....	24	Killed by fall of hay fork.....	1
Caving in of bank.....	2	Killed by falling shaft.....	1
Choked by peanut shell.....	1	Killed by hose cart.....	1
Coupling cars.....	1	Killed by a horse.....	10
Crushed by building.....	4	Killed by a log.....	2
Cut with chisel.....	1	Killed by machinery.....	1
Dislocation of shoulder.....	1	Killed by roowing machine.....	1
Explosion of boiler.....	12	Killed in mill.....	2
Explosion of lamp.....	1	Killed in mine.....	10
Explosion of powder.....	3	Killed in saw-mill.....	11
Fall.....	36	Killed by street car.....	1
Fall from load of hay.....	1	Killed in a well.....	3
Falling timber.....	1	Killed in woods.....	8
Fell in pail of boiling water.....	1	Runaway team.....	7
Kicked by a horse.....	12	Run over by wagon.....	5
Killed at barn-raising.....	1	Thrown from wagon.....	3

STATISTICS OF SUICIDE.

Table 80 shows the deaths by suicide which have occurred in Michigan during the twelve years 1873-1884, and certain details concerning them. The whole number reported for these years was 765: of these 567 were males and 198 were females. The largest number occurred in June and the smallest in February.

The classification by nativity shows that 428 were natives of the United States, 179 having been born in Michigan and 249 in other States; 337 were of foreign birth; and in 55 cases the nativity was not stated. Of the foreign born 146 were from Germany, 45 from Canada, 41 from England, etc.

The classification by conjugal condition shows that 460 were married, 216 were single, 89 were widowed, and the conjugal condition of 34 was not stated in the returns.

As regards the manner of death, poison ranks first with 132, hanging second with 73, followed by shooting 73, drowning 41, cutting throat 17, severing artery 2, and in 362 cases the manner of death was not stated.

As regards occupations, it is shown that the greatest number of suicides occurred among the farmers, and next among the laborers and housekeepers, the last named including all the principal occupations are represented in the list.

TABLE 80.—*Certain facts concerning Persons returned as having died by Suicide in Michigan during the Years 1873-1884.*

Years.	Number.	Month of Death.												Sex.			Color.	Condition.					
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Total.	Males.		Females.	White.	Married.	Single.	Widowed.	Unknown.
Total.....	765	40	36	55	63	68	84	63	73	69	60	76	75	8	765	567	198	765	400	216	55	34	
1873.....	38	1	2	2	1	2	4	5	3	5	5	1	7	1	38	30	9	38	21	13	4	1	
1874.....	53	7	3	4	1	4	5	5	4	3	5	6	6	.....	53	31	22	53	28	17	4	4
1875.....	52	3	4	3	4	8	4	4	4	5	3	6	4	.....	52	42	10	52	34	10	3	5
1876.....	54	3	1	3	7	7	8	2	4	5	6	5	3	.....	54	43	11	54	35	12	3	4
1877.....	60	2	5	7	4	7	5	6	7	4	2	7	10	.....	60	46	14	66	38	23	2	3
1878.....	63	5	2	5	5	5	9	5	7	5	6	5	4	.....	63	40	23	63	41	16	4	2
1879.....	59	3	2	4	7	3	8	5	7	5	4	4	7	.....	59	46	13	59	35	19	3	2
1880.....	65	4	3	6	8	9	6	3	4	7	2	6	6	1	65	50	15	65	38	20	4	3	
1881.....	57	1	5	3	3	4	4	7	9	7	4	6	4	.....	57	42	15	57	34	11	9	3
1882.....	62	2	3	4	6	8	7	2	7	5	7	4	6	1	62	44	18	62	32	24	3	3	
1883.....	91	5	1	7	9	5	8	11	9	4	6	16	10	.....	91	69	22	91	53	23	12	3
1884.....	104	4	5	7	8	6	16	8	8	14	10	10	8	.....	104	84	20	104	71	28	4	1

* 1 Mulatto.

TABLE 80.—CONTINUED.—*Suicidal Deaths.*

Means Used.	No.	Means Used.	No.	Means Used.	No.
Cutting Throat	17	Poison	132	Starving	1
Drowning	41	Severing Artery	2	Unknown	22
Hanging	117	Shooting	73		
Total					75

PRINCIPAL CAUSES OF DEATH.

Table 81 shows the 15 diseases which caused the greatest number of deaths in Michigan, in 1884. Consumption heads the list and it has done so during each year of the entire period of registration, excepting only the year 1881, when diphtheria caused the greatest number of deaths.

Diphtheria, as usual, stands second as a cause of death; the other diseases follow in the order given in the table, the order by number of deaths varying more or less from year to year. The most noteworthy changes from 1883 were in cholera infantum and scarlet fever. Cholera infantum, which in 1883 occupied eighth position, rose to fifth position in 1884; while scarlet fever, which ranked sixth in 1883, fell in 1884 to fourteenth place. The other diseases do not vary much from the positions held by them in 1883.

These fifteen principal causes of death represent 57.66 per cent of all the deaths which occurred in 1884, as compared with 56.92 per cent in 1883,—57.13 per cent in 1882, 57.43 per cent in 1881, and 58.02 per cent in 1880.

Most of the causes of death given in this table, together with other details concerning them, may be seen by a reference to subsequent tables published in this report.

TABLE 81.—*Mortality in Michigan from Fifteen Principal Causes, as Returned for the Year 1884.*

Order.	Specified Causes and Conditions,—1884.	Number of Deaths.				Per Cent from each cause to Deaths from All Causes.		
		Total.	Males.	Females.	Unknown	Total.	Males.	Females.
1	Consumption.....	2,188	1,025	1,173	.....	12.17	10.69	13.99
2	Diphtheria.....	1,065	501	563	1	5.90	5.23	6.71
3	Still-born.....	919	541	324	54	5.09	5.64	3.86
4	Old Age.....	795	403	392	.....	4.40	4.20	4.68
5	Cholera Infantum.....	781	435	344	2	4.33	4.54	4.10
6	Pneumonia.....	767	433	333	1	4.25	4.52	3.97
7	Heart Disease.....	658	359	298	1	3.64	3.74	3.55
8	Apoplexy and Paralysis.....	523	288	235	.....	2.80	3.00	2.80
9	Fever, Typhoid.....	514	261	252	1	2.85	2.72	3.01
10	Convulsions.....	436	228	206	2	2.41	2.38	2.46
11	Diarrhea.....	409	241	167	1	2.27	2.51	1.99
12	Cancer.....	361	173	188	.....	2.00	1.80	2.24
13	Bowels, Inflammation of.....	350	185	165	.....	1.94	1.98	1.97
14	Scarlet Fever.....	326	148	178	.....	1.81	1.54	2.12
15	Croup.....	325	166	159	.....	1.80	1.73	1.90
Total.....		10,427	5,387	4,977	63	57.66	56.17	59.35
All Causes.....		18,056	9,580	8,385	82	100.00	100.00	100.00

MORTALITY FROM TEN PROMINENT CAUSES IN 1884.

The number and per cent of deaths in 1884, from ten prominent causes, may be studied in Tables 82 and 83. As usual, diphtheria ranked the highest of the ten diseases included in the tables, although not the leading cause of mortality in the State. Measles occupied the lowest place, which was accorded to whooping-cough in 1863.

Cancer was the cause of 361 deaths in 1884. There were returned 173 males and 188 females, and each year the deaths among females exceed those among males. Only 16 of the deaths were reported at ages under 20, and the disease appears to be especially fatal at ages from 40 to 75.

Season of the year appears to have a very decided influence upon most of the diseases of these tables, and the excessive portion of the mortality occurred in infancy and childhood. As nearly all of these diseases are studied on subsequent pages in connection with meteorological conditions, farther examination of them seems unnecessary here.

TABLE 82.—Deaths from Ten Specified Causes returned for the Year 1884, Exhibiting the Number of each Sex, Total Number in each Month and at different Periods of Age.

Sex, Month and Age.		Causes of Death, 1884.									
		Cancer.	Cephalitis.	Croup. ^a	Diar-rhea. ^b	Diphtheria.	Dysentery.	Measles.	Scarlet Fever.	Typhoid Fever.	Whooping Cough.
Sex.	Total.....	361	310	325	409	1,065	160	144	326	514	160
	Males.....	173	177	166	241	501	82	65	148	291	75
	Females.....	188	133	159	167	563	78	79	178	252	85
	Unknown.....				1	1				1	
Months.	January.....	26	19	23	4	63	4	7	38	22	5
	February.....	21	23	21	4	61		12	42	18	8
	March.....	25	25	27	11	87	1	17	49	19	8
	April.....	29	26	15	8	71	5	22	48	21	3
	May.....	36	23	30	8	70	4	17	32	20	7
	June.....	25	30	16	20	79	3	22	18	16	22
	July.....	35	32	16	71	61	17	12	15	23	18
	August.....	44	44	19	129	72	35	14	22	43	27
	September.....	37	25	24	87	91	48	7	14	77	21
	October.....	29	28	35	45	121	34	7	14	99	17
	November.....	27	16	43	12	135	5	5	14	98	13
	December.....	26	18	55	10	152	4	2	19	58	11
	Unknown.....	1	1	1		2			1		
Ages.	Under 5.....	13	109	263	357	477	115	102	190	52	145
	5 to 10.....	1	29	53	6	380	8	16	94	41	11
	10 to 15.....		10	4	2	131	1	10	28	58	2
	15 to 20.....	2	11	1	2	46	2	4	8	77	
	20 to 25.....	3	14		1	14	2	4	4	84	
	25 to 30.....	5	6		2	3	2	3	2	44	
	30 to 35.....	12	6		1	2	1	2		41	
	35 to 40.....	24	3		3	2	2	1		26	
	40 to 45.....	29	4		2	1	3	1		17	1
	45 to 50.....	27	4		3		3			9	
	50 to 55.....	32	4		1		1			19	
	55 to 60.....	42	5		5		2	1		13	
	60 to 65.....	45	5		1		2			12	
	65 to 70.....	43	5		9		5			9	
	70 to 75.....	41	1		5		4			6	
	75 to 80.....	28	2		3		4				
	80 and over.....	11			2		2			2	
	Unknown.....	3	2	4	4	9	1			4	1

Includes 40 membranous croup. ^b Includes 23 chronic.

TABLE 83.—*Per cent of Deaths returned for the Year 1884, from each of Ten Specified Causes to Deaths from all Causes ; and Per Cent of each Sex of Deaths in each Month and at different Periods of Life, to Total Deaths from each Specified Cause.*

Sex, Months, and Age.		Causes of Death, 1884.—Per Cent of Total.									
		Cancer.	Cephalitis.	Croup.	Diar-rhea.	Diphth-eria.	Dysen-tery.	Measles.	Scarlet Fever.	Typhoid Fever.	Whoop-ing Cough.
Per Cent of all Causes		2.00	1.72	1.80	2.27	5.90	.89	.80	1.81	2.85	.89
Sex.	Males.....	47.92	57.10	51.08	58.92	47.04	51.25	45.14	45.40	50.78	46.88
	Females.....	52.08	42.90	48.92	40.83	52.86	48.75	54.86	54.60	49.03	53.12
	Unknown.....				.25	.10				.19	
Months.	January.....	7.20	6.13	7.08	.98	5.91	2.50	4.86	11.66	4.28	3.12
	February.....	5.82	7.42	6.46	.98	5.73		8.33	12.88	3.50	5.00
	March.....	6.93	8.66	8.31	2.69	8.17	.63	11.81	15.03	3.70	5.00
	April.....	8.03	8.39	4.62	1.96	6.67	3.13	15.28	14.72	4.09	1.87
	May.....	9.97	7.42	9.23	1.96	6.57	2.50	11.81	9.82	3.89	4.37
	June.....	6.92	9.08	4.92	4.89	7.42	1.87	15.28	5.52	3.11	13.75
	July.....	9.70	10.32	4.92	17.36	5.73	10.63	8.34	4.60	4.47	11.25
	August.....	12.19	14.19	5.85	31.54	6.76	21.87	9.72	6.75	8.57	16.87
	September.....	10.25	8.07	7.38	21.27	8.54	30.00	4.86	4.30	14.98	13.13
	October.....	8.03	9.03	10.77	11.00	11.36	21.25	4.86	4.29	19.26	10.63
	November.....	7.48	5.16	13.23	2.93	12.68	3.12	3.47	4.29	19.07	8.13
	December.....	7.20	5.81	16.92	2.44	14.27	2.50	1.38	5.83	11.28	6.88
Ages.	Unknown.....	.28	.32	.31		.19			.31		
	Under 5.....	3.60	61.19	80.92	87.29	44.79	71.87	70.83	58.28	10.12	90.63
	5 to 10.....	.28	9.35	16.31	1.47	35.68	5.00	11.11	28.84	7.97	6.88
	10 to 15.....		3.23	1.23	.49	12.30	.62	6.95	8.59	11.28	1.25
	15 to 20.....	.55	3.55	.31	.49	4.32	1.25	2.78	2.45	14.98	
	20 to 25.....	.83	4.52		.25	1.31	1.25	2.78	1.23	16.34	
	25 to 30.....	1.39	1.94		.49	.28	1.25	2.08	.61	8.56	
	30 to 35.....	3.32	1.94		.25	.19	.62	1.39		7.98	
	35 to 40.....	6.65	.97		.73	.19	1.25	.70		5.06	
	40 to 45.....	8.03	1.29		.49	.09	1.87	.69		3.31	.62
	45 to 50.....	7.48	1.29		.73		1.88			1.75	
	50 to 55.....	8.86	1.29		.24		.63			3.70	
	55 to 60.....	11.63	1.61		1.22		1.25	.69		2.53	
	60 to 65.....	12.47	1.61		.24		1.25			2.33	
	65 to 70.....	11.91	1.61		2.20		3.13			1.75	
	70 to 75.....	11.36	.32		1.22		2.50			1.17	
	75 to 80.....	7.76	.64		.73		2.50				
	80 to 85.....	3.05			.49		1.25			.39	
	85 to 90.....	.83	.65	1.23	.98	.85	.63			.78	.63

Cancer.—Table 84 shows the deaths from cancer, by part of body affected, for the 13 years—1872-1884.

During these years there were 3,378 deaths from this disease, and the average number per year was 260. The number returned for 1884 was 361, a number less by 22 than was returned for the previous year. With the exception of this year and the year 1883 there has been a constant increase each year in the number of deaths from this disease since 1871. As usual, there were more deaths among the females than among the males during 1884, but the excess was not as large as usual, being only 15, while the average annual excess for the 13 years was 35.

In 1884 the largest number of deaths occurred in August and the smallest number in February; over 83 per cent of the whole number were over 45 years of age, and only 24 were returned at ages under 30. As regards the part of the body affected, in nearly half the cases during these years it was not stated in the returns, but as far as returned cancer of the stomach caused by far the largest number of deaths, while cancer of the breast was second.

TABLE 84.—Deaths from Cancer in Michigan returned for the Years 1872-1884, Indicating Part of Body Affected.

Part Affected.	Total.	Males.	Females.	Part Affected.	Total.	Males.	Females.
Aggregate, 13 years—1872-1884.....	3,378	1,464	1,914	Cancer of Liver.....	63	40	23
Cancer of Arm.....	6	3	3	Cancer of Lungs.....	6	3	3
Cancer of Bladder.....	5	4	1	Cancer of Mouth.....	59	40	19
Cancer of Bowels.....	75	26	49	Cancer of Neck.....	14	11	3
Cancer of Breast.....	249	16	233	Cancer of Nose.....	2	2	.....
Cancer of Eye.....	13	7	6	Cancer of (Esophagus.....	3	1	2
Cancer of Face.....	106	75	31	Cancer of Pancreas.....	2	1	1
Cancer of Foot.....	3	3	.....	Cancer of Rectum.....	13	9	4
Cancer in Groin.....	4	3	1	Cancer, Rose.....	7	3	4
Cancer of Hand.....	3	2	1	Cancer of Side.....	11	2	9
Cancer of Head.....	21	13	8	Cancer of Spine.....	3	1	2
Cancer of Heart.....	1	.....	1	Cancer of Stomach.....	848	523	325
Cancer, Internal.....	23	8	15	Cancer of Throat.....	30	13	17
Cancer of Kidneys.....	4	4	.....	Cancer of Tongue.....	13	9	4
Cancer of Leg.....	14	10	4	Cancer (unspecified).....	1,624	632	992
				Cancer, Uterus.....	153	.....	153

METEOROLOGY AND ITS RELATION TO DEATHS.

In this, as in preceding reports, some of the most important meteorological conditions for the year 1884 are given in connection with deaths from a few of the leading causes. These tables show some of the results of observations made at the office of the State Board of Health, State Agricultural College, and by the U. S. Signal Service. It is thought that useful information may be gained by comparing the occurrence of deaths from different diseases, by months, with temperature, humidity of air, ozone, prevailing winds, and atmospheric pressure.

Table 85 shows the average annual and monthly temperature for each of the years 1875-1884, and the average for the ten years ending with 1884, at the Michigan Agricultural College. It may be seen that, with the exception of 1875 and 1883, the average temperature for the year 1884 was lower than for any of the previous years.

TABLE 85.—TEMPERATURE.—Average by Years and by Months, for the Years 1875 to 1884, inclusive, at the Agricultural College, near Lansing, Michigan. (Results of Observations by Prof. R. C. Kedzie.)

Years.	Annual Average.	Average Temperature stated in Degrees Fahrenheit, by Months.											
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1875.....	43.09	12.87	8.35	26.20	41.11	60.82	66.57	69.67	65.48	58.50	42.93	32.96	31.53
1876.....	46.17	30.22	27.38	30.55	44.16	57.95	68.14	72.48	71.55	56.30	43.74	36.33	15.23
1877.....	47.42	18.07	32.31	24.51	46.16	58.25	61.93	71.45	68.46	61.28	50.83	35.24	36.57
1878.....	48.29	29.11	28.07	40.90	50.55	54.57	64.08	73.04	70.15	63.15	48.33	36.29	21.29
1879.....	46.88	19.19	20.40	33.19	44.84	58.76	66.02	74.03	70.00	56.21	57.28	38.22	27.46
1880.....	47.28	37.10	29.19	35.50	45.87	64.30	67.60	68.04	68.58	55.83	46.23	27.52	22.07
1881.....	48.73	16.98	21.58	30.28	45.59	65.24	64.31	73.43	72.69	69.69	52.51	38.20	34.31
1882.....	47.57	24.89	35.12	35.96	44.70	52.73	66.49	67.71	69.52	59.98	52.67	36.30	24.80
1883.....	43.51	14.39	19.76	24.89	43.48	52.78	65.87	68.94	64.90	56.43	46.17	38.08	26.39
1884.....	45.66	15.46	23.43	29.89	43.66	56.90	68.92	67.95	66.91	65.06	50.91	34.11	24.71
Average for 10 Years.	46.46	21.83	24.56	31.19	45.01	58.23	66.39	70.67	68.82	60.24	49.16	35.33	26.44

Average for 10 years ending with 1884.

TABLE 86. —PRESSURE OF THE ATMOSPHERE.—*Observations of Barometer reduced to freezing point, for each of the years 1875 to 1884, inclusive, and the Average for Ten Years ending with 1884, at the Agricultural College, Lansing, Michigan. (Based upon Observations by Prof. R. C. Kedzie.)*

Years.	Pressure of the Atmosphere, stated in Inches of Mercurial Column, by Months.												
	Annual Average.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1875.	28.998	29.005	28.875	28.844	29.047	29.061	29.029	29.044	29.025	29.031	29.016	29.054	28.965
1876.	29.010	29.073	29.003	28.929	29.000	29.009	28.911	29.009	29.048	28.995	28.929	28.953	29.203
1877.	29.066	29.057	29.124	28.981	28.974	29.056	29.020	29.062	29.046	29.121	29.077	29.009	29.180
1878.	29.053	29.099	29.026	29.027	28.875	29.013	29.030	29.085	29.010	29.157	29.080	29.081	29.147
1879.	29.080	29.130	29.107	29.102	29.050	29.116	29.073	29.057	29.100	29.152	29.160	29.027	29.032
1880.	29.006	28.905	29.077	29.181	28.984	29.061	29.065	29.068	29.126	29.093	29.130	29.215	29.155
1881.	29.087	29.077	29.152	28.809	29.064	29.116	29.018	29.003	29.117	29.077	29.181	29.120	29.134
1882.	29.004	29.134	29.041	29.098	29.088	29.065	28.959	29.096	29.062	29.186	29.112	29.175	29.112
1883.	29.107	29.129	29.252	29.059	24.042	29.007	28.998	29.072	29.154	29.162	29.158	29.128	29.124
1884.	29.067	29.118	27.081	29.071	29.011	28.995	29.256	29.004	29.120	29.118	29.028	29.111	29.127
Av.*.	29.069	29.082	28.880	29.019	29.014	29.050	29.036	29.050	29.081	29.109	29.087	29.096	29.117

* Average for 10 years ending with 1884.

Croup.—This disease was returned as the cause of 324 deaths in 1884. A very large proportion of those who died, 81.17 per cent, were under five years of age, and only five cases were reported over ten years of age. The most fatal months in the order named were December, November, October. The greatest mortality was in December, 16.98 per cent; the least in April, 4.63 per cent.

Table 87 shows certain meteorological conditions in connection with deaths from croup. There were five exceptions to the proposition that the air was *colder* than the average in months when the greatest number of deaths from croup occurred, and *warmer* than the average in months in which less than the average number of deaths occurred. There were also five exceptions to the proposition that more than the average number of deaths from croup occurred in months in which there was less than the average quantity of vapor inhaled, and *vice versa*.

TABLE 87.—Deaths Returned from Croup in Michigan, by Months, during the Year 1884, and some coincident Meteorological Conditions.

Months in Order by Number of Deaths from Croup, great- est first.		Deaths from Croup, 1884.		Tempera- ture, Degrees Fahrenheit.		Humidity of Atmosphere, etc., Month- ly Averages.				Ozone— Relative Maximum, =10.		Average Velocity of Wind,—Miles per Hour,— by Registering Anemometer.		Average Pressure of Atmosphere. (Barometer Reduced to 32° Fahrs.)
		Number.	Per Cent of Total.	Average Daily Range during Day and following Night by Registering Ther- mometers, Observations at 7 A. M.	Average of Daily Observations at 7 A. M., 2 P. M., and 9 P. M.	Relative Humidity, or Per Cent of Saturation.	Weight, in Grains, of Vapor in a Cu- bic Foot of Air, ^a	Weight, in Troy Ounces, of Vapor In- haled by one Person in 24 hours, ^b	Weight, in Troy Ounces, of Vapor Ex- haled from Air Passages in 24 hours in excess of vapor inhaled, ^c	Day,—7 A. M. to 2 P. M.	Night,—3 P. M. to 7 A. M.			
Year, 1884.....		324	100.00	19.01	44.72	75	3.31	2.07	9.61	2.75	3.11	9.3	29.205	
More than the Av. No. of Deaths.	December.....	55	16.98	14.09	24.77	83	1.69	1.06	10.62	2.62	3.07	10.8	29.229	
	November.....	43	13.27	16.37	34.53	79	2.11	1.32	10.36	2.40	2.80	10.3	29.213	
	October.....	35	10.80	18.09	51.56	75	3.72	2.33	9.35	2.33	2.74	10.5	29.203	
	May.....	30	9.26	19.50	54.38	70	3.78	2.36	9.32	2.91	3.28	9.4	29.131	
	March.....	27	8.33	19.88	28.78	77	1.77	1.11	10.57	3.03	3.73	8.8	29.202	
Average.....		27	8.33	19.01	44.72	75	3.31	2.07	9.61	2.75	3.11	9.3	29.205	
Less than the Average Number of Deaths.	September.....	24	7.41	20.87	64.72	73	5.24	3.28	8.40	2.28	2.42	9.0	29.210	
	January.....	23	7.10	17.72	15.14	80	1.09	.68	11.00	3.41	3.98	11.1	29.274	
	February.....	21	6.48	17.79	20.94	82	1.37	.86	10.82	3.36	4.30	9.2	29.204	
	August.....	19	5.86	21.27	66.10	73	5.52	3.45	8.23	2.62	2.62	7.9	29.216	
	June.....	16	4.94	21.90	67.04	73	5.59	3.49	8.19	2.64	2.70	6.8	29.273	
	July.....	16	4.94	20.83	66.70	71	5.40	3.38	8.30	2.50	2.57	7.9	29.100	
	April.....	15	4.63	19.22	42.00	67	2.42	1.51	10.17	2.90	3.09	10.1	29.147	

^a Calculated from readings of Dry Bulb and Wet Bulb Thermometers.

^b Calculated for 18 respirations per minute of 20 cubic inches of air each.

^c Assuming the air exhaled to be saturated with vapor at the temperature of 98° F., each cubic foot containing 18.69 grains, 18 respirations per minute, of 20 cubic inches of air each, making 11.68 Troy ounces of vapor exhaled daily. No correction made for expansion of air after being inhaled.

^d Includes 40 deaths from Membranous Croup.

^e Exceptions to the proposition that more than an average number of deaths from croup occurred in months when the Average Daily Temperature was less than the average, and vice versa.

^f Exceptions to the proposition that more than an average number of deaths from croup occurred in months in which there was less than the average quantity of vapor inhaled, and vice versa.

Diphtheria.—Table 78, page 187, shows that 1,065 deaths were returned from this disease in 1884, as compared with 1,007 in 1883. The deaths among females exceeded those among males by 62. The per cent of deaths from diphtheria to deaths from all causes has decreased from 10.72 in 1881, to 8.62 in 1882, 5.96 in 1883, and 5.90 in 1884. The rise and fall in the number of deaths returned during the years 1875–1884 has been as follows :

1875.	1876.	1877.	1878.	1879.	1880.	1881.	1882.	1883.	1884.
207	311	593	887	1,473	1,542	2,063	1,416	1,007	1,065

The average annual number of deaths for the ten years 1875–1884, was 1,056, and the average for the six years 1879–1884 was 1,423.

By reference to Table 83, page 219, it may be seen that over 80 per cent of the deaths from diphtheria in 1884 were those of children under ten years old. Knowing the age distribution of the population in 1884, from the census, we can now determine the special death-rate from diphtheria at different ages. On page 2 it will be seen that there were 225,973 children in Michigan, in 1884, under five years of age, and there were 477 deaths from diphtheria under that age. This gives a death-rate of 2.11 per thousand. For ages under ten years, the mortality-rate was 1.93 per thousand.

The months of September, October, November, and December contributed 46.94 per cent of the deaths, the month of December having the largest number.

The prevalence of diphtheria in each of the eleven geographical divisions of the State may be seen in the following tabulated exhibit:

State and Geographical Divisions.	Total Mortality from all Causes.	Deaths from Diphtheria.	Per Cent of Deaths from Diphtheria to Deaths from all Causes.
State	18,066	1,065	5.90
Upper Peninsular.....	1,112	75	6.74
Northwestern.....	536	26	4.85
Northern.....	382	28	7.33
Northeastern.....	251	7	2.79
Western.....	1,806	51	2.82
Northern-Central.....	439	43	9.79
Bay and Eastern.....	3,057	141	4.61
Central.....	2,402	116	4.83
Southwestern.....	1,007	24	2.38
Southern-Central.....	2,709	103	3.80
Southeastern.....	4,355	451	10.36

Table 88 shows the number of deaths from diphtheria by months, and some coincident meteorological facts. The average number of deaths from diphtheria was less than the average number of deaths from all causes.

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TABLE 88.—Deaths returned from Diphtheria in Michigan, by Months, during the Year 1884, and some coincident Meteorological Conditions.

Months in Order by Number of Deaths from Diphtheria, greatest first.		Deaths from Diphtheria, 1884.		Tempera- ture, Degrees Fahrenheit.		Humidity of Atmosphere, etc., Monthly Averages.				Ozone,— Relative Maximum = 10.		Average Velocity of Wind,—Miles Per Hour, by Registering Anemometer.	Average Pressure of Atmosphere, (Barome- ter Reduced to 32° Fahrenheit.)
		Number.	Per Cent of Total.	Average Daily Range during Day and following Night, by Registering Thermometers, Observed at 7 A. M., A. M., 2 P. M., and 9 P. M.	Average of Daily Observations at 7 A. M., 2 P. M., and 9 P. M.	Relative Humidity, or Per Cent of Saturation.	Weight, in Grains, of Vapor in a Cu- bic Foot of Air, ^a	Weight, in Troy Ounces of Vapor In- haled by one Person in 24 hours, ^a	Weight, in Troy Ounces, of Vapor Exhaled from Air Passages in 24 hours in Excess of Vapor Inhaled, ^a	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.		
Year, 1884.....		1,063	100.00	19.01	44.72	75	3.31	2.07	9.61	2.75	3.11	9.3	29.205
More than Av. No. of Deaths.	December.....	152	14.30	14.09	24.77	83	1.69	1.06	10.62	2.62	3.07	10.8	29.229
	November.....	135	12.70	16.37	34.53	79	2.11	1.32	10.36	2.40	2.80	10.3	29.213
	October.....	121	11.38	18.69	51.56	75	3.72	2.33	9.35	2.33	2.74	10.5	29.268
	September.....	91	8.56	20.87	64.72	73	5.24	3.28	8.40	2.28	2.42	9.0	29.210
Average.....		89	8.33	19.01	44.72	75	3.31	2.07	9.61	2.75	3.11	9.3	29.205
Less than the Average Number of Deaths.	March.....	87	8.18	19.88	28.78	77	1.77	1.11	10.57	3.03	3.73	8.8	29.202
	June.....	79	7.43	21.90	67.04	73	5.50	3.49	8.19	2.64	2.70	6.8	29.273
	August.....	72	6.77	21.27	66.10	73	5.52	3.45	8.23	2.62	2.62	7.9	29.216
	April.....	71	6.68	19.22	42.00	67	2.42	1.51	10.17	2.90	3.09	10.01	29.147
	May.....	70	6.59	19.50	54.38	70	3.78	2.36	9.32	2.91	3.28	9.04	29.131
	January.....	63	5.98	17.72	15.14	80	1.09	.68	11.00	3.41	3.98	11.1	29.274
	February.....	61	5.74	17.79	20.94	82	1.37	.86	10.82	3.36	4.30	9.2	29.204
July.....		61	5.74	20.83	66.70	71	5.40	3.38	8.30	2.50	2.57	7.9	29.100

^a See foot-notes to Table 87, page 223.

^b Exceptions to the proposition that more than an average number of deaths from Diphtheria occurred in months when the Average Daily Temperature was less than the average, and *vice versa*.

^c Exceptions to the proposition that more than an average number of deaths from Diphtheria occurred in months when less than the average quantity of vapor was inhaled, and *vice versa*.

Typhoid Fever.—Table 89 shows, by months, the number of deaths which occurred from typhoid fever and the effect of certain atmospheric conditions as regards it.

The number of deaths returned as having been caused by this disease in 1884, was 514, an increase of 75 over the previous year, and about the same as the average for the previous 15 years. The per cent of deaths to deaths from all causes was 2.85, nearly 1 per cent less than the average for the previous 15 years. There were 262 deaths among the males and 251 among the females, and more than 72 per cent of all the deaths occurred during the last five months of the year, the mortality being largest in October and November.

As regards age, 423 of the 514 decedents from typhoid fever were under 40 years of age, as follows: 93 were under 10, 135 from 10 to 20, 128 from 20 to 30, and 67 from 30 to 40.

TABLE 89.—Deaths Returned in Michigan from Typhoid Fever, by Months, during the Year 1884, and some coincident Meteorological Conditions.

Months in Order by Number of Deaths from Typhoid Fever, greatest first.		Deaths from Typhoid Fever, 1884.	Temperature Degrees Fahr.		Humidity of Atmos- phere, etc., Monthly Averages.				Ozone.— Relative Maximum = 10.		Average Velocity of Wind,—Miles per Hour,— by Registering Anemometer.		Average Pressure of Atmosphere (Barometer Reduced to 32° Fahrenheit.)
		Number.	Per Cent of Total.	Average Daily Range during day and following night, by Registering Thermometers, Observed at 7 A. M.	Average of Daily Observations at 7 A. M., 2 P. M., and 9 P. M.	Relative Humidity, or Per Cent of Saturation.	Weight, in Grains, of Vapor in a Cubic Foot of Air.*	Weight, in Troy Ounces, of Vapor In- haled by one Person in 24 hours.*	Weight, in Troy Ounces, of Vapor Ex- haled from Air Passages in 24 hours in excess of vapor inhaled.*	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.		
Year, 1884.....		514	100.00	19.01	44.72	75	3.31	2.07	9.61	2.75	3.11	9.3	29.35
More than the Av. No. of Deaths.	October.....	99	19.26	b 18.69	51.56	75	3.72	2.33	9.35	2.33	2.74	10.5	29.36
	November.....	98	19.07	b 16.37	c 34.53	79	d 2.11	1.32	10.36	2.40	2.80	10.3	29.213
	September.....	77	14.98	20.87	64.72	73	5.24	3.28	8.40	2.28	2.42	9.6	29.210
	December.....	58	11.28	b 14.09	c 24.77	83	d 1.69	1.06	10.62	2.62	3.07	10.8	29.229
	August.....	43	8.37	21.27	66.10	73	5.52	3.45	8.23	2.62	2.62	7.9	29.216
Average.....		43	8.33	19.01	44.72	75	3.31	2.07	9.61	2.75	3.11	9.3	29.35
Less than the Average No. of Deaths.	July.....	23	4.47	b 20.83	c 66.70	71	d 5.40	3.38	8.30	e 2.50	e 2.57	7.9	29.100
	January.....	22	4.28	17.72	15.14	80	1.09	.68	11.00	3.41	3.98	11.1	29.274
	April.....	21	4.09	b 19.22	42.00	67	2.42	1.51	10.17	2.90	3.09	10.1	29.147
	May.....	20	3.89	b 19.50	c 54.38	70	d 3.78	2.36	9.32	2.91	3.28	9.4	29.151
	March.....	19	3.70	b 19.88	28.78	77	1.77	1.11	10.57	3.03	3.73	8.8	29.232
	February.....	18	3.50	17.79	20.94	82	1.37	.86	10.82	3.36	4.30	9.2	29.204
June.....		16	3.11	b 21.90	c 67.04	73	d 5.59	3.49	8.19	e 2.64	e 2.70	6.8	29.273

* See foot-note to Table 87, page 223.

b Exceptions to the proposition that the Daily Range of Temperature was greater than the average in months when more than the average number of deaths occurred, and vice versa.

c Exceptions to the proposition that the Average Daily Temperature was greater than the average in months when more than the average number of deaths occurred, and vice versa.

d Exceptions to the proposition that the Absolute Humidity was greater than the average in months when more than the average number of deaths occurred, and vice versa.

e Exceptions to the proposition that the Ozone was less than the average in months when more than the average number of deaths occurred, and vice versa.

f Exceptions to the proposition that the Atmospheric Pressure indicated by the Barometer was greater than the average in months when more than the average number of deaths occurred, and vice versa.

The different diarrheal diseases, as classed together in Table 90, were the cause of 557 more deaths than in 1883, and 492 more than the average for the twelve years—1873–1884. The largest number of deaths from these diseases was returned in 1881, corresponding with the large number of deaths for that year. Diarrhea and cholera infantum show a marked increase over the number returned for 1883.

TABLE 90.—Deaths returned from Diarrheal Diseases in Michigan during the Years 1873–1884, and the Average for Twelve Years.

Years.	Diarrhea.	Dysentery.	Cholera Infantum.	Cholera.	Enteritis.	Diarrheal Diseases.
1873.....	383	319	306	9	285	1,303
1874.....	380	304	278	6	206	1,176
1875.....	283	162	289	2	218	954
1876.....	304	195	331	12	239	1,081
1877.....	290	218	370	15	226	1,119
1878.....	173	158	243	4	214	792
1879.....	226	135	300	6	237	904
1880.....	310	160	499	26	267	1,262
1881.....	501	270	857	17	342	1,987
1882.....	259	96	423	13	276	1,072
1883.....	267	114	465	3	294	1,143
1884.....	409	160	781	.....	350	1,700
Average.....	315	191	429	9	263	1,206

Diarrhea.—The mortality from this disease was more in 1884 than in 1883, and more also than the annual average for the twelve years 1873–1884. Of all the deaths returned in Michigan for the year, 2.27 per cent were caused by diarrhea. Over seventy per cent of the mortality occurred in July, August, and September, the month of August alone having 31.54 per cent of all the deaths of the year.

In regard to age it will be seen from Table 83 that the highest mortality occurs under five years of age. For 1884, 87.29 per cent of the decedents from this cause were under that age.

Table 91 shows the relation which the deaths from diarrhea sustained to certain meteorological conditions in 1884. There were only two exceptions to the proposition that *more* than the average number of deaths from diarrhea occurred in months when the Average Daily Temperature was *higher* than the average, and *vice versa*.

TABLE 91.—Deaths Returned in Michigan from Diarrhea, by Months, during the Year 1884, and some coincident Meteorological Conditions.

Months in Order by Number of Deaths from Diarrhea, greatest first.		Deaths from Diarrhea, 1884.		Tempera- ture, Degrees Fahrenheit.		Humidity of Atmos- phere, etc., Monthly Averages.			Ozone.— Relative Maximum = 10.		Average Velocity of Wind, Miles per Hour, by Registering Anemometer.	Average Pressure of Atmosphere. (Barometer Reduced to 32° Fahr.)	
		Number.	Per Cent of Total.	Average Daily Range During Day and following Night, by Registering Ther- mometers, Observed at 7 A. M. Average of Daily Observations at 7 A. M., 2 P. M., and 9 P. M.		Relative Humidity, or Per Cent of Saturation.	Weight, in Grains, of Vapor in a Cubic Foot of Air.*	Weight, in Troy Ounces, of Vapor Inhaled by one Person in 24 hours.*	Weight, in Troy Ounces, of Vapor Exhaled from Air Passages in 24 hours in excess of vapor inhaled.*	Day, 7 A. M. to 9 P. M. Night, —9 P. M. to 7 A. M.			
Year, 1884.....		409	100.00	19.01	44.72	75	3.31	2.07	9.61	2.75	3.11	9.3	29.205
More than the Av. No. of Deaths.	August.....	129	31.54	21.27	66.10	73	5.52	3.45	8.23	2.62	2.62	7.9	29.216
	September.....	87	21.27	20.87	64.72	73	5.24	3.28	8.40	2.38	2.42	9.0	29.210
	July.....	71	17.36	20.83	66.70	71	5.40	3.38	8.30	2.50	2.57	7.9	29.100
	October.....	45	11.00	18.69	51.56	75	3.72	2.33	9.35	2.33	2.74	10.5	29.298
Average.....		34	8.33	19.01	44.72	75	3.31	2.07	9.61	2.75	3.11	9.3	29.205
Less than the Average No. of Deaths.	June.....	20	4.89	21.90	67.04	73	5.59	3.49	8.19	2.64	2.70	6.8	29.273
	November.....	12	2.93	16.37	34.53	79	2.11	1.32	10.36	2.40	2.86	10.3	29.213
	March.....	11	2.69	19.88	28.78	77	1.77	1.11	10.57	3.03	3.73	8.6	29.202
	December.....	10	2.44	14.09	24.77	83	1.69	1.06	10.62	2.62	3.07	10.8	29.229
	April.....	8	1.96	19.22	42.00	67	2.42	1.51	10.17	2.90	3.06	10.1	29.147
	May.....	8	1.96	19.50	54.38	70	3.78	2.36	9.22	2.91	3.28	9.4	29.131
	January.....	4	.98	17.73	15.14	90	1.09	.68	11.00	3.41	3.98	11.1	29.274
	February.....	4	.98	17.79	20.94	82	1.37	.86	10.82	3.36	4.30	9.2	29.294

* See foot-notes to Table 87, page 223.

b Exceptions to the proposition that more than the average number of deaths from Diarrhea occurred in months when the Average Daily Range of Temperature was greater than the average, and vice versa.

c Exceptions to the proposition that more than the average number of deaths from Diarrhea occurred in months when the Average Daily Temperature was higher than the average, and vice versa.

d Exceptions to the proposition that more than the average number of deaths from Diarrhea occurred in months when the Relative Humidity of the Atmosphere was less than the average, and vice versa.

e Exceptions to the proposition that more than the average number of deaths from Diarrhea occurred in months when the Absolute Humidity was less than the average, and vice versa.

f Exceptions to the proposition that more than the average number of deaths from Diarrhea occurred in months when the Absolute Humidity was less than the average, and vice versa.

g Exceptions to the proposition that more than the average number of deaths from Diarrhea occurred in months when the Absolute Humidity was less than the average, and vice versa.

h Exceptions to the proposition that more than the average number of deaths from Diarrhea occurred in months when the Absolute Humidity was less than the average, and vice versa.

i Exceptions to the proposition that more than the average number of deaths from Diarrhea occurred in months when the Absolute Humidity was less than the average, and vice versa.

j Exceptions to the proposition that more than the average number of deaths from Diarrhea occurred in months when the Absolute Humidity was less than the average, and vice versa.

Scarlet Fever.—The total number of deaths reported as having occurred from scarlet fever during 1884 was 325—a decrease of 848 from the previous year, and a number less by 136 than the average for the 13 years, 1872-1884.

The largest proportion of the mortality from this disease occurs among children, as may be seen by a reference to Table 78, where it will be seen that of the 325 decedents 190, or 58.28 per cent, were under 5 years of age; and 284, or 87.12 per cent, were under 10 years of age. Over 64 per cent of all the deaths occurred during the first five months of the year, as shown by Table 92, which also shows the influence of certain atmospheric conditions upon the mortality from this disease.

TABLE 92.—Deaths returned in Michigan from Scarlet Fever, by Months, during the Year 1884, and some coincident Meteorological Conditions.

Months in Order by Number of Deaths from Scarlet Fever, greatest first.		Deaths from Scarlet Fever, 1884.		Tempera- ture, Degrees Fahrenheit.		Humidity of Atmos- phere, etc., Monthly Averages.				Ozone,— Relative Maximum, =10.		Average Velocity of Wind,—Miles per Hour,—by Registering Anemometer.	Average Pressure of Atmosphere. (Barometer Reduced to 32° Fahrenheit).
		Number.	Per Cent of Total.	Average Daily Range during Day and following Night, by Registering Thermometers, Observed at 7 A. M. A. M., 2 P. M., and 9 P. M.	Average of Daily Observations at 7 A. M., 2 P. M., and 9 P. M.	Relative Humidity, or Per Cent of Saturation.	Weight, in Grains, of Vapor in a Cubic Foot of Air. ^a	Weight, in Troy Ounces, of Vapor In- haled by one Person in 24 hours. ^a	Weight, in Troy Ounces, of Vapor Ex- haled from Air Passages in 24 hours in excess of vapor inhaled. ^a	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.		
Year, 1884.....		325	100.00	19.01	44.72	75	3.31	2.07	9.61	2.75	3.11	9.3	29.205
More than the Av. No. of Deaths.	March.....	49	15.08	19.88	28.78	77	1.77	1.11	10.57	3.03	3.73	8.8	29.202
	April.....	43	14.77	19.22	42.00	67	2.42	1.51	10.17	2.90	3.09	10.1	29.147
	February.....	42	12.92	17.79	20.94	82	1.37	.86	10.82	3.36	4.30	9.2	29.204
	January.....	38	11.69	17.72	15.14	80	1.09	.68	11.00	3.41	3.98	11.1	29.274
	May.....	32	9.84	19.50	54.38	70	3.78	2.36	9.32	2.91	3.28	9.4	29.131
Average.....		27	8.33	19.01	44.72	75	3.31	2.07	9.61	2.75	3.11	9.3	29.205
Less than the Av. No. of Deaths.	August.....	22	6.77	21.27	66.10	73	5.52	3.45	8.23	2.62	2.62	7.9	29.216
	December.....	19	5.85	14.09	24.77	83	1.69	1.06	10.62	2.62	3.07	10.8	29.229
	June.....	18	5.54	21.90	67.04	73	5.59	3.49	8.19	2.64	2.70	6.8	29.273
	July.....	15	4.61	20.83	66.70	71	5.40	3.38	8.30	2.50	2.57	7.9	29.100
	September.....	14	4.31	20.87	64.72	73	5.24	3.28	8.40	2.28	2.42	9.0	29.210
	October.....	14	4.31	18.69	51.56	75	3.72	2.33	9.35	2.33	2.74	10.5	29.268
November.....		14	4.31	16.37	54.53	79	2.11	1.32	10.36	2.40	2.80	10.3	29.213

* See foot-notes to Table 87, page 223.

† Exceptions to the proposition that the Average Daily Temperature was lower than the average in months when more than the average number of deaths from Scarlet Fever occurred, and vice versa.

‡ Exceptions to the proposition that the Absolute Humidity of the atmosphere was less than the average in months when more than the average number of deaths from Scarlet Fever occurred, and vice versa.

Consumption.—This disease continues to head the list of principal causes of death in Michigan. In 1884, 2,198 deaths were reported to have been caused by consumption, which was the largest number ever returned for a single year. The average annual mortality from this disease for the 14 years 1870–1883, was 1,621. The per cent of deaths from consumption to deaths from all causes, in 1884, was 12.17, and the average for 14 years, 1870–1883, was 11.84.

Of the 2,198 deaths from consumption in 1884, 1,025 were males and 1,173 were females, or there were 87 male decedents to 100 female decedents. For the 16 years from 1869 to 1884, inclusive, the number of deaths returned from consumption in Michigan was 26,122, of which 12,093 were males and 14,029 were females. There were 86 male decedents to each 100 female decedents during all these years, or 46 males and 54 females in each 100 decedents.

The influence which the months and seasons have upon the mortality from consumption may be seen in the following tabulated exhibits. In 1884, the highest monthly record of deaths was in May, and the largest quarterly period was the second. The least number of deaths was returned for January, and the quarter ending with March also returned the fewest deaths. For the 16 years, 1869–1884, the largest percentage of deaths occurred, as usual, in the second quarter of the year, and the smallest in the first quarter.

The mortality from consumption by sex and age, for 1884, and for the 16 years 1869–1884, may also be studied in these exhibits. There appears but little difference in the relative proportions of the various periods of life, between the aggregate record of 16 years and that for a single year. It will be noticed that the greatest mortality occurs between 20 and 30, not only for the single year record, but also for the aggregate.

The last column of the exhibit, showing the mortality from consumption by sex and age for 1884, gives the death-rate from this disease at different ages. Disregarding the decimal points, the numbers represent the number of deaths to every 10,000 inhabitants at the several periods of age. It will be noticed that, although the number of deaths from consumption, for 1884, was greatest at ages between 20 and 30, the proportion of deaths to the whole number of inhabitants of the same age was greatest at ages between 70 and 80. It also appears that the death-rate from consumption is greatest at ages over 60.

Mortality from Consumption, by Months and Quarters, 1884.

Months.	Jan.	Feb.	Mar.	April	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
	136	147	195	203	223	176	201	168	181	191	186	182	9
Quarters.....	478			602			550			559			9
Per Cent	21.75			27.39			25.02			25.43			41

Total Mortality from Consumption by Sex, Months, and Age, 1869-1884.

	Sex.		Total.	Months.												
	Males.	Females.		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
Males.....	12,083			703	816	1,082	1,145	1,131	963	950	1,013	1,070	1,004	995	1,176	45
Females.....		14,029		818	955	1,164	1,256	1,291	1,138	1,167	1,215	1,303	1,201	1,146	1,319	56
Totals.....			26,122	1,521	1,771	2,246	2,401	2,422	2,101	2,117	2,228	2,373	2,205	2,141	2,495	101
Quarters.....				5,538			6,924			6,718			6,841			101
Per Cent.....				21.20			28.51			25.72			26.19			.38

	Ages.											Unknown.
	Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 and over.	
Males.....	906	159	179	712	2,730	1,900	1,549	1,393	1,339	801	134	201
Females.....	875	180	436	1,630	4,081	2,456	1,487	1,069	900	560	116	219
Totals.....	1,781	339	615	2,342	6,811	4,446	3,036	2,462	2,239	1,361	250	420
Per Cent.....	6.82	1.30	2.35	8.97	26.07	17.02	11.62	9.50	8.57	5.21	.96	1.61

Mortality from Consumption, by Sex and Age, 1884.

Ages.	Total Deaths.	Deaths from Consumption.	Per Cent at Several Ages.	Males.	Females.	Per Cent of Deaths to Population.
Under 10.....	8,239	192	8.74	93	99	.04
10 to 20.....	1,223	257	11.69	80	177	.07
20 to 30.....	1,639	637	28.93	288	349	.18
30 to 40.....	1,142	341	15.51	158	183	.13
40 to 50.....	1,033	244	11.10	119	125	.13
50 to 60.....	1,056	198	9.01	108	90	.16
60 to 70.....	1,349	154	7.01	84	70	.21
70 to 80.....	1,396	115	5.23	65	50	.37
80 and over.....	776	27	1.23	16	11	.35
Age not stated.....	263	33	1.50	14	19	1.90
Totals.....	18,056	2,196	100.00	1,025	1,173	.12

TABLE 93.—CONSUMPTION.—Deaths from Consumption returned in Michigan, by Months, during the Year 1884, and some coincident Meteorological Conditions.

Months in Order by Number of Deaths from Consumption, greatest first.		Deaths from Consumption, 1884.		Tempera- ture, De- grees Fahr.		Humidity of Atmos- phere, etc. Monthly Averages.				Ozone,— Relative Maximum = 10.		Average Velocity of Wind,—Miles per Hour,—by Registering Anemometer.	Average Pressure of Atmosphere, (Barometer Reduced to 32° Fahrenheit).
		Number.	Per Cent of Total.	Av. Daily Range during Day and fol- lowing Night by Registering Ther- mometers, Observed at 7 A. M.	Average of Daily Observations at 7 A. M.; 9 P. M., and 9 P. M.	Relative Humidity, or Per Cent of Saturation.	Weight, in Grains, of Vapor in a Cubic Foot of Air. ^a	Weight, in Troy Ounces, of Vapor In- haled by one person in 24 hours. ^a	Weight, in Troy Ounces, of Vapor Exhaled from Air Passages in 24 hours in excess of vapor inhaled. ^a	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.		
Year, 1884.		62,189	100.00	19.01	44.72	75	3.31	2.07	9.61	2.75	3.11	9.3	29.205
More than the Average No. of Deaths.	May	223	10.19	19.50	54.38	70	3.78	2.36	9.32	2.91	3.28	9.4	29.131
	April	203	9.27	19.22	42.00	67	2.42	1.51	10.17	2.90	3.09	10.1	29.147
	July	201	9.18	20.83	66.70	71	5.40	3.38	8.30	2.50	2.57	7.9	29.100
	March	195	8.91	19.88	28.78	77	1.77	1.11	10.57	3.03	3.73	8.8	29.202
	October	191	8.73	18.69	51.56	75	3.72	2.33	9.35	2.33	2.74	10.5	29.208
	November	186	8.50	16.37	34.53	79	2.11	1.32	10.36	2.40	2.80	10.3	29.213
Average		182	8.33	19.01	44.72	75	3.31	2.07	9.61	2.75	3.11	9.3	29.205
Less than the Average No. of Deaths.	December	182	8.31	14.09	24.77	83	1.69	1.06	10.62	2.62	3.07	10.8	29.229
	September	181	8.27	20.87	64.72	73	5.24	3.23	8.40	2.28	2.42	9.0	29.210
	June	176	8.04	21.90	67.04	73	5.59	3.49	8.19	2.64	2.70	6.8	29.273
	August	168	7.67	21.27	66.10	73	5.52	3.45	8.23	2.62	2.62	7.9	29.216
	February	147	6.72	17.79	20.94	82	1.37	.86	10.82	3.36	4.30	9.2	29.204
	January	136	6.21	17.72	15.14	80	1.09	.68	11.00	3.41	3.98	11.1	29.274

^a See foot-notes to Table 87, page 223.^b Excluding 9 deaths in unknown months.^c Exceptions to the proposition that the Average Daily Temperature was higher than the average in months when more than the average number of deaths from Consumption occurred, and vice versa.^d Exceptions to the proposition that more than the average amount of vapor was inhaled in months in which there was more than the average number of deaths from Consumption, and vice versa.

Pneumonia.—This disease was returned as the cause of 767 deaths in 1884. In 1883 there were 737 deaths. The average annual number from this cause for the 15 years, 1869–1883, was 632, while the average for 10 years, 1875–1884, was 686. The percentage of deaths from pneumonia to deaths from all causes in 1884 was 4.25, while the average percentage for 15 years, 1869–1883, was 4.68.

There were 100 more deaths of males than of females in 1884, or in the proportion of 130 males to each 100 females. The proportion for 1884 is less than the average for 10 years, 1874-1883, which was 136 males to each 100 females.

In 1884 February and March were the two most fatal months, but for the average for 10 years March and April show the largest number of deaths. Nearly one-half the deaths are returned in the first four months of the year.

As regards age, 337, or 43.94 per cent, were under 5 years of age. This is about the usual average for that period. Nearly 25 per cent of the entire mortality from pneumonia were of persons over 50 years of age. This leaves only about 30 per cent between the ages of 5 and 50. It is thus seen that while pneumonia attacks all ages, it is most fatal at the extremes of life.

Table 95 shows the relation of deaths from pneumonia to certain atmospheric conditions. It appears that in 1884 there was only one exception to the proposition that the Average Daily Temperature was *lower* than the average in months when *more* than the average number of deaths from pneumonia occurred, and *vice versa*.

TABLE 94.—*By Months, the Number of Deaths Returned from Pneumonia in Michigan during each of the Years 1875-1884, and the Average for Ten Years Ending with 1884.*

Year.	Total.	Deaths from Pneumonia, 1875-1884.												
		January.	February.	March.	April.	May	June.	July.	August.	September.	October.	November.	December.	Unknown.
1875.....	745	85	116	128	88	73	36	21	17	31	42	41	65	2
1876.....	627	43	71	107	68	50	33	20	37	28	38	40	91	1
1877.....	465	58	56	64	60	39	24	14	23	26	26	35	38	2
1878.....	462	36	37	59	54	37	30	15	19	22	35	53	65	---
1879.....	701	44	92	114	102	59	36	30	31	42	25	45	80	1
1880.....	812	56	82	111	113	79	37	29	36	51	44	68	105	1
1881.....	805	77	88	126	100	70	37	39	29	47	55	43	91	3
1882.....	735	59	65	84	82	94	58	29	29	36	43	57	97	2
1883.....	737	76	61	97	104	89	40	30	42	27	41	53	76	1
1884.....	767	68	101	106	83	67	39	34	42	34	30	70	90	3
Average for 10 years.....	686	60	77	100	85	66	37	26	30	34	38	51	80	2

TABLE 95.—Deaths returned from Pneumonia in Michigan during the Year 1884, and some coincident Meteorological Conditions.

Months in Order by Number of Deaths from Pneumonia, greatest first.		Deaths from Pneumonia, 1884.	Tempera- ture, De- grees Fahr.		Humidity of Atmos- phere, etc. Monthly Averages.				Ozone, — Relative Maximum = 10.	Average Velocity of Wind, — Miles per Hour, — by Registering Anemometer.		Average Pressure of Atmosphere, (Barometer Reduced to 32° Fahrenheit).
		Number.	Per Cent of Total.	Average Daily Range during Day and following Night by Registering Ther- mometers, Observed at 7 A. M.	Average of Daily Observations at 7 A. M., 2 P. M., and 9 P. M.	Relative Humidity, or Per Cent of Saturation.	Weight, in Grains, of Vapor in a Cubic Foot of Air. ^a	Weight, in Troy Ounces, of Vapor Inhaled by one person in 24 hours. ^a	Weight, in Troy Ounces, of Vapor Exhaled from Air Passages in 24 hours in Excess of vapor inhaled. ^a	Day, — 7 A. M. to 2 P. M.	Night, — 9 P. M. to 7 A. M.	
Year, 1884.....		764	100.00	19.01	44.72	75	3.31	2.07	9.61	2.75	3.11	9.3
More than the Average Number of Deaths.	March.....	106	13.87	19.88	28.78	77	1.77	1.11	10.57	3.03	3.73	8.8
	February.....	101	13.22	17.79	20.94	82	1.37	.86	10.82	3.36	4.30	9.2
	December.....	90	11.78	14.00	24.77	83	1.69	1.06	10.62	2.62	3.07	10.8
	April.....	83	10.86	19.22	42.00	67	2.42	1.51	10.17	2.90	3.09	10.1
	November.....	70	9.16	16.37	34.53	79	2.11	1.32	10.36	2.40	2.80	10.3
	January.....	68	8.90	17.72	15.14	80	1.09	.68	11.00	3.41	3.98	11.1
	May.....	67	8.77	19.50	54.38	70	3.78	2.36	9.32	2.91	3.28	9.4
Average.....		64	8.33	19.01	44.72	75	3.31	2.07	9.61	2.75	3.11	9.3
Less than the Av. No. of Deaths.	August.....	42	5.50	21.27	66.10	73	5.52	3.45	8.23	2.62	2.62	7.9
	June.....	39	5.11	21.90	67.04	73	5.59	3.49	8.19	2.64	2.70	6.8
	July.....	34	4.45	20.83	66.70	71	5.40	3.38	8.30	2.50	2.57	7.9
	September.....	34	4.45	20.87	64.72	73	5.24	3.28	8.40	2.52	2.42	9.0
	October.....	30	3.93	18.69	51.56	75	3.72	2.33	9.35	2.33	2.74	10.5

^a See foot-notes to Table 87, page 223.^b Excluding 3 in unknown month.^c Exceptions to the proposition that the Average Daily Temperature was lower than the average in months when more than an average number of deaths from Pneumonia occurred, and vice versa.^d Exception to the proposition that less than the average amount of vapor was inhaled in months when more than an average number of deaths from Pneumonia occurred, and vice versa.

Table 96 is designed to show the relative prevalence of consumption, pneumonia, typhoid fever, scarlet fever, and diarrhea in each of the eleven geographical divisions of the State. This is done by finding the percentage which each division bears to the whole number of deaths in each division. It is seen that the several divisions present some interesting comparisons in their percentages.

TABLE 96.—*Exhibiting, for the State and Eleven Geographical Divisions in 1884, the Number and Per Cent of Deaths Returned from all causes, from Consumption, Pneumonia, Typhoid Fever, Scarlet Fever, and Diarrhea.*

State and Geographical Divisions.	Deaths from All Causes, 1884.	Consumption.		Pneumonia.		Typhoid Fever.		Scarlet Fever.		Diarrhea.	
		Number of Deaths.	Per Cent to Deaths from All Causes.	Number of Deaths.	Per Cent to Deaths from All Causes.	Number of Deaths.	Per Cent to Deaths from All Causes.	Number of Deaths.	Per Cent to Deaths from All Causes.	Number of Deaths.	Per Cent to Deaths from All Causes.
State.....	18,056	2,198	12.17	767	4.25	514	2.85	326	1.81	409	2.27
Upper Peninsular.....	1,112	89	8.08	45	4.05	46	4.14	12	1.08	23	2.07
Northwestern.....	536	48	8.96	18	3.36	7	1.31	22	4.11	11	2.05
Northern.....	382	61	15.97	11	2.88	13	3.40	12	3.14	7	1.83
Northeastern.....	251	19	7.57	10	3.98	8	3.19	1	.40	5	1.99
Western.....	1,806	203	11.24	92	5.09	67	3.71	32	1.77	62	3.43
Northern-Central.....	439	47	10.71	24	5.47	22	5.01	8	1.82	5	1.14
Bay and Eastern.....	3,057	377	12.33	135	4.42	76	2.42	67	2.19	69	2.26
Central.....	2,402	311	12.95	98	4.08	85	3.54	63	2.62	15	.62
Southwestern.....	1,007	165	16.39	62	6.16	34	3.38	7	.70	8	.79
Southern-Central.....	2,709	356	13.14	110	4.06	74	2.73	35	1.29	20	.74
Southeastern.....	4,355	522	11.99	162	3.72	82	1.88	67	1.54	184	4.23

Table 97 shows that deaths from old age and those aged 70 and over occurred in the largest proportion in the southern part of the State, while deaths from those aged under 5 years were in the greatest proportion in the northern portions of the State.

TABLE 97.—*Exhibiting, for the State and Eleven Geographical Divisions, the Number and Per Cent of Deaths Returned at All Ages, from Old Age, of all Aged 70 and Over, and of all Aged Under 5, during the Year 1884.*

State and Geographical Divisions.	Deaths at All Ages, 1884.	Old Age.		Aged 70 and Over.		Aged Under 5.	
		Number of Deaths.	Per Cent to Deaths at All Ages by Geo- graphical Divisions.	Number of Deaths.	Per Cent to Deaths at All Ages by Geo- graphical Divisions.	Number of Deaths.	Per Cent to Deaths at All Ages by Geo- graphical Divisions.
State.....	18,056	795	4.40	2,112	11.70	7,232	40.05
Upper Peninsular.....	1,112	34	3.06	56	5.03	605	54.41
Northwestern.....	536	15	2.80	31	5.78	295	55.04
Northern.....	382	9	2.36	24	6.28	176	46.07
Northeastern.....	251	3	1.20	10	3.98	117	46.61
Western.....	1,806	65	3.60	161	8.91	777	43.02
Northern-Central.....	439	8	1.82	25	5.69	183	41.69
Bay and Eastern.....	3,057	143	4.68	258	8.44	1,446	47.30
Central.....	2,402	114	4.75	362	15.07	767	31.93
Southwestern.....	1,007	52	5.16	163	16.19	322	31.98
Southern-Central.....	2,709	191	7.05	590	21.78	608	24.66
Southeastern.....	4,355	161	3.70	432	9.92	1,876	43.08

Table 98 shows by sex the average age of all persons who died in Michigan during the years 1882, 1883 and 1884, and also during the ten years, 1874-1883.

It will be seen that the average age of all decedents in 1884 was slightly less than for the previous year: also that the average age of the male decedents was greater than that of the female decedents, being for the former 26.92, for the latter 26.47.

For 1884 the average age of those who died aged 20 and over was 53.90 for the males and 51.59 for the females. Of the decedents from consumption the average age of the males was 36.73; of the females, 32.95.

TABLE 98.—*Showing the Average Age of Decedents in Michigan during the Years 1882, 1883, 1884, and the Average for ten Years, 1874-1883.*

	Year Ending	Average Age in Years and 100ths of a Year.			
		Total.	Males.	Females.	Excess of Males.
Deaths as shown by Registration Returns.....		25.74	26.46	25.07	1.39
Deaths of Native-born Inhabitants, as shown by Registration Returns.....		20.16	20.33	20.12	.21
Deaths of Foreign-born Inhabitants, as shown by Registration Returns.....		46.51	47.58	45.84	1.74
Deaths from Consumption, by Registration Returns.....		36.43	36.16	34.22	4.94
All aged 20 and over whose occupations were stated in Registration Returns of Deaths.....	Dec. 31, 1882...	52.24	53.56	50.78	2.78
All who died aged 20 years and over, as shown by Registration Returns.....		52.22	53.51	50.74	2.77
Deaths of Native-born Inhabitants aged 20 years and over, as shown by Registration Returns.....		51.49	53.71	49.19	4.52
Deaths of Foreign-born Inhabitants aged 20 years and over, as shown by Registration Returns.....		53.42	54.12	53.37	.75
Deaths as shown by Registration Returns.....		26.81	27.55	26.37	1.18
Deaths of Native-born Inhabitants, as shown by Registration Returns.....		20.88	21.13	20.81	.32
Deaths of Foreign-born Inhabitants, as shown by Registration Returns.....		47.90	47.61	46.03	1.58
Deaths from Consumption, by Registration Returns.....		35.71	38.16	33.69	4.47
All aged 20 and over whose occupations were stated in Registration Returns of Deaths.....	Dec. 31, 1883...	52.24	55.41	49.01	6.40
All who died aged 20 years and over, as shown by Registration Returns.....		51.97	54.06	50.13	3.93
Deaths of Native-born Inhabitants aged 20 years and over, as shown by Registration Returns.....		51.11	54.04	48.11	5.93
Deaths of Foreign-born Inhabitants aged 20 years and over, as shown by Registration Returns.....		53.87	52.81	52.62	.19
Deaths as shown by Registration Returns.....		26.45	26.92	26.47	.45
Deaths of Native-born Inhabitants, as shown by Registration Returns.....		20.56	20.44	20.88	-.44
Deaths of Foreign-born Inhabitants, as shown by Registration Returns.....		48.84	48.65	48.20	.45
Deaths from Consumption, by Registration Returns.....		34.53	36.73	32.95	3.78
All aged 20 and over whose occupations were stated in Registration Returns of Deaths.....	Dec. 31, 1884...	54.14	56.75	51.27	5.48
All who died aged 20 years and over, as shown by Registration Returns.....		52.51	53.90	51.59	2.31
Deaths of Native-born Inhabitants aged 20 years and over, as shown by Registration Returns.....		51.84	53.89	49.69	4.20
Deaths of Foreign-born Inhabitants aged 20 years and over, as shown by Registration Returns.....		53.92	53.21	53.82	-.61
Deaths as shown by Registration Returns.....		25.66	26.32	25.02	1.30
Deaths of Native-born Inhabitants, as shown by Registration Returns.....		20.20	20.74	20.27	.47
Deaths of Foreign-born Inhabitants, as shown by Registration Returns.....		47.76	48.62	46.29	2.33
Deaths from Consumption, by Registration Returns.....		36.01	39.04	33.52	5.52
All aged 20 and over whose occupations were stated in Registration Returns of Deaths.....	Average for 10 years,—1874-1883.....	51.87	53.85	49.56	4.29
All who died aged 20 years and over, as shown by Registration Returns.....		51.83	53.68	49.82	3.86
Deaths of Native-born Inhabitants aged 20 years and over, as shown by Registration Returns.....		51.09	53.87	48.64	5.23
Deaths of Foreign-born Inhabitants aged 20 years and over, as shown by Registration Returns.....		53.14	53.80	52.07	1.53

TABLE 99.—*Exhibiting, by Classified Occupations, the Number, Aggregate and Average Age of Decedents in Michigan, aged 20 Years and over, for the 15 Years, 1870-1884. One-half Year added to Age of each for Months and Days excluded.*

Class.	Occupations,—15 Years, 1870-1884.	Number of Persons.	Age in Years and Hundredths of a Year.	
			Aggregate.	Average.
	All Aged 20 Years and Over.....	84,014	4,344,923.00	51.72
	All Specified Occupations,—Aged 20 Years and Over.....	78,821	4,076,692.50	51.72
	Occupations Unspecified,—Aged 20 Years and over.....	5,193	268,233.50	51.65
I.	Cultivators of the Earth.....	22,821	1,335,572.50	58.52
II.	Active Mechanics Abroad.....	2,398	125,362.00	52.28
III.	Active Mechanics in Shops.....	3,037	154,780.50	50.96
IV.	Inactive Mechanics in Shops.....	1,521	79,151.50	52.04
V.	Laborers,—No Special Trades.....	7,512	330,996.00	44.06
VI.	Agents, Laborers Abroad, Etc.....	1,544	66,708.00	43.20
VII.	Seafaring Men.....	581	24,473.50	42.12
VIII.	Soldiers.....	36	1,840.00	51.11
IX.	Business Men.....	3,538	167,685.00	47.40
X.	Professional Men.....	1,344	70,398.00	52.38
XI.	Unemployed.....	3,523	193,150.50	54.83
XII.	Females.....	36,159	1,794,808.50	49.64
I.	Cultivators of the Earth.....	22,821	1,335,572.50	58.52
	Farmers.....	22,494	1,317,800.00	58.58
	Farm Laborers.....	107	3,879.50	36.26
	Fruit Growers.....	12	640.00	53.33
	Gardeners.....	160	9,995.00	62.47
	Nurserymen.....	11	552.50	50.23
	Retired Farmers.....	37	2,705.50	73.12
II.	Active Mechanics Abroad.....	2,398	125,362.00	52.28
	Brick-makers.....	24	1,375.00	57.29
	Carpenters and Builders.....	1,740	90,307.00	51.90
	House-movers.....	6	345.00	57.50
	Masons.....	459	23,980.50	52.25
	Millwrights.....	68	4,257.00	62.31
	Ship Carpenters.....	49	2,564.50	52.34
	Stone Cutters.....	52	2,553.00	49.10
III.	Active Mechanics in Shops.....	3,037	154,780.50	50.96
	Bakers.....			51.29
	Blacksmiths.....			52.07
	Boiler-makers.....			50.30

TABLE 99.—CONTINUED.—*Occupations of Decedents, Etc.*

Class.	Occupations,—15 Years, 1870-1884.	Number of Persons.	Age in Years and Hundredths of a Year.	
			Aggregate.	Average.
III.	Active Mechanics in Shops—(Continued.)			
	Book-binders.....	8	343.00	42.88
	Bottlers.....	3	84.50	28.17
	Brewers.....	79	3,612.50	45.73
	Broom-makers.....	7	369.50	52.79
	Cabinet-makers.....	130	6,997.00	53.82
	Carriage-makers.....	137	7,885.50	57.56
	Carriage Trimmers.....	6	292.00	48.67
	Chair-makers.....	2	100.00	50.00
	Confectioners.....	15	668.50	46.57
	Cooks.....	37	1,629.50	44.04
	Coopers.....	302	17,060.00	56.49
	Coppersmiths.....	8	488.00	61.00
	Dyers.....	12	617.00	51.42
	Finishers.....	15	454.50	30.30
	Foundrymen.....	11	539.50	49.05
	Gilders.....	8	260.00	32.50
	Gunsmiths.....	42	2,462.00	58.62
	Machinists.....	175	8,934.50	51.05
	Marble-workers.....	18	723.00	40.17
	Mechanics.....	381	18,268.50	47.91
	Millers.....	223	12,291.50	55.12
	Model-makers.....	14	758.00	54.14
	Molders.....	107	4,197.50	39.22
	Painters.....	305	12,861.50	42.17
	Plasterers.....	15	754.50	50.30
	Plumbers.....	21	918.50	43.74
	Potters.....	5	341.50	68.30
	Rope-makers.....	5	291.50	58.30
	Sail-makers.....	4	195.00	48.75
	Saw-makers.....	4	199.00	49.75
	Sawyers.....	6	157.00	26.17
	Smelters.....	1	53.50	53.50
	Spinners.....	52	3,715.00	71.44
	Stove-mounters.....	10	435.00	43.50
	Tanners.....	30	1,671.00	55.70
	Tinners.....	70	2,966.00	42.37
	Turners.....	22	933.00	42.41

TABLE 99.—CONTINUED.—*Occupations of Decedents, Etc.*

Class.	Occupations,—15 Years, 1870-1884.	Number of Persons.	Age in Years and Hundredths of a Year.	
			Aggregate.	Average.
III.	Active Mechanics in Shops—(Continued.)			
	Upholsterers.....	18	605.00	33.61
	Wagon-makers.....	38	2,207.00	58.08
	Weavers.....	5	397.50	79.50
	Wood Carvers.....	7	340.50	48.64
IV.	Inactive Mechanics in Shops.....	1,521	79,151.50	52.04
	Barbers.....	114	4,727.00	41.46
	Basket-makers.....	15	1,038.50	69.23
	Cigar-makers.....	98	3,568.00	36.41
	Harness-makers.....	134	6,241.00	46.57
	Jewelers.....	85	4,180.50	49.18
	Lithographers.....	4	96.00	24.00
	Printers.....	107	3,672.50	34.32
	Shoemakers.....	598	36,009.00	60.22
	Silversmiths.....	4	151.00	37.75
	Tailors.....	318	17,936.00	56.40
	Telegraphers.....	44	1,532.00	34.82
V.	Laborers,—No Special Trades.....	7,512	330,996.00	44.06
	Choppers.....	8	285.00	35.62
	Ditchers.....	8	497.00	62.13
	Janitors.....	21	1,236.50	58.88
	Laborers.....	6,325	283,647.50	44.85
	Loggers.....	22	726.00	33.00
	Mill-hands.....	165	6,616.50	40.10
	Miners.....	742	28,866.00	38.90
	Miscellaneous.....	121	5,542.50	45.81
	Porters.....	16	584.00	36.50
	Rivermen.....	12	373.50	28.73
	Salt Packers.....	4	222.00	55.50
	Servants.....	27	1,056.50	39.13
	Well-diggers.....	13	514.50	39.58
	Woodsmen.....	27	828.50	30.69
VI.	Agents, Laborers Abroad, Etc.....	1,544	66,708.00	43.20
	Agents.....	82	3,829.00	46.70
	Baggagemen.....	19	737.50	38.82
	Brakemen.....	97	2,655.50	27.38

TABLE 99.—CONTINUED.—*Occupations of Decedents, Etc.*

ss.	Occupations,—15 Years, 1870-1884.	Number of Persons.	Age in Years and Hundredths of a Year.	
			Aggregate.	Average.
I.	Agents, Laborers Abroad, Etc.—(Continued.)			
	Butchers.....	191	8,682.50	45.46
	Collectors.....	8	373.00	46.63
	Commercial Travelers.....	27	1,105.50	40.94
	Conductors.....	48	1,781.00	37.10
	Constables.....	11	526.50	47.86
	Draymen.....	67	3,518.50	52.51
	Drovers.....	38	1,822.00	47.95
	Hackmen.....	35	1,718.50	49.10
	Hostlers.....	12	532.00	44.33
	Hunters and Trappers.....	30	1,449.00	48.30
	Jockeys.....	2	55.00	27.50
	Milk Peddlers.....	11	616.50	56.05
	Overseers and Superintendents.....	26	1,172.00	45.08
	Peddlers.....	113	5,661.50	50.37
	Policemen.....	19	756.50	39.82
	Railroad Engineers.....	288	11,709.00	40.66
	Railroad Expressmen.....	12	544.00	45.33
	Railroad Firemen.....	46	1,496.00	32.52
	Railroad Laborers.....	124	4,715.00	38.02
	Railroad Men.....	35	1,009.50	45.99
	Sextons.....	7	387.50	55.36
	Switchmen.....	15	485.50	32.37
	Teamsters.....	157	7,363.50	47.03
	Tollgate-keepers.....	4	240.00	60.00
	Watchmen.....	15	767.50	51.17
	Whitewashers.....	5	348.50	69.70
II.	Seafaring Men.....	581	24,473.50	42.12
	Fishermen.....	105	4,876.50	46.44
	Officers.....	38	1,868.00	49.16
	Sailors.....	433	17,438.50	40.27
	United States Navy.....	5	200.50	58.10
I.	Soldiers.....	36	1,840.00	51.11
	.....	5	276.50	55.30
	.....	31	1,563.50	50.44

TABLE 99.—CONTINUED.—*Occupations of Decedents, Etc.*

Class.	Occupations,—15 Years, 1870-1884.	Number of Persons.	Age in Years and Hundredths of a Year.	
			Aggregate.	Average.
IX.	Business Men.....	3,538	167,685.00	47.40
	Auctioneers.....	2	93.00	46.50
	Bankers.....	79	4,579.50	57.97
	Book-keepers.....	180	7,256.00	40.31
	Capitalists.....	48	2,905.00	60.52
	Clerks.....	462	15,712.00	34.01
	Commission Merchants.....	18	968.00	53.78
	Contractors and Jobbers.....	49	2,758.50	56.30
	Druggists.....	98	4,278.00	43.65
	Express Men.....	1	44.50	44.50
	Furniture Dealers.....	6	261.00	43.50
	Grain Buyers.....	19	968.50	50.97
	Grocers.....	163	7,656.50	46.97
	Hatters.....	14	771.90	55.07
	Hotel Clerks.....	6	226.00	37.67
	Hotel-keepers.....	241	12,465.50	51.72
	Insurance Agents.....	49	2,553.50	52.11
	Justices of the Peace.....	31	2,062.50	66.53
	Liquor Dealers.....	15	646.50	43.10
	Liverymen.....	47	2,071.50	44.07
	Lumbermen.....	390	18,085.00	46.31
	Manufacturers.....	152	7,889.00	51.90
	Merchants.....	871	45,211.50	51.91
	News Agents.....	10	379.00	37.90
	Public Officers.....	115	6,006.50	52.23
	Real Estate Dealers.....	44	2,548.00	57.91
	Restaurant-keepers.....	20	936.00	46.80
	Salesmen.....	53	2,317.50	43.73
	Saloon-keepers.....	322	14,173.00	44.02
	Undertakers.....	15	701.50	52.77
	All others.....	18	1,071.00	59.50
X.	Professional Men.....	1,344	70,398.00	52.38
	Actors.....	7	300.50	42.93
	Architects.....	10	467.00	46.70
	Artists.....	27	1,103.50	40.87
	Attorneys at Law.....	202	10,785.00	53.39
	Civil Engineers.....	37	2,131.50	57.61

TABLE 99.—CONTINUED.—*Occupations of Decedents, Etc.*

Class.	Occupations,—15 Years, 1870-1884.	Number of Persons.	Age in Years and Hundredths of a Year.	
			Aggregate.	Average.
X.	Professional Men—(Continued.)	.		
	Clergymen.....	258	16,582.00	64.27
	Dentists.....	40	1,790.00	44.75
	Draughtsmen.....	1	59.50	59.50
	Editors.....	30	1,349.00	44.97
	Judges.....	4	222.00	55.50
	Lecturers.....	2	100.00	50.00
	Musicians.....	39	1,670.50	42.83
	Photographers.....	13	479.50	36.87
	Physicians.....	405	23,032.50	56.87
	Students.....	68	1,578.00	23.21
	Surveyors.....	3	184.50	61.50
	Teachers.....	180	7,504.00	41.69
	Veterinary Surgeons.....	18	1,069.00	58.83
XI.	Unemployed.....	3,523	193,150.50	54.83
	Paupers.....	104	6,006.00	58.62
	Pensioners.....	5	384.50	76.90
	Retired.....	60	4,301.00	71.68
	Unemployed.....	1,216	71,588.00	58.87
	Unknown.....	2,124	110,231.00	51.90
	All others.....	14	550.00	39.29
XII.	Females.....	• 36,159	1,794,808.50	49.64
	Actresses.....	3	81.50	27.17
	Agents.....	7	243.50	34.79
	Artists.....	13	514.50	39.58
	At Home.....	163	4,596.50	28.21
	Basket-makers.....	9	423.50	47.06
	Boarding-house keepers.....	19	1,127.50	59.34
	Book-keepers.....	3	153.50	51.17
	Cigar-makers.....	3	91.50	30.50
	Clerks.....	29	827.50	28.53
	Confectioners.....	6	259.00	43.17
	Domestics.....	722	28,772.00	39.85
	Dress-makers.....	231	7,805.50	33.79
	Druggists.....	3	154.50	51.50
	Factory Employés.....	5	109.50	21.90
	Farmers.....	2,081	113,167.50	54.26

TABLE 99.—CONTINUED.—*Occupations of Decedents, Etc.*

Class.	Occupations,—15 Years, 1870-1884.	Number of Persons.	Age in Years and Hundredths of a Year.	
			Aggregate.	Average.
XII. Females—(Continued.)				
	Hair-dressers.....	16	542.00	33.87
	Hotel-keepers.....	39	1,782.50	45.71
	Housekeepers.....	8,820	466,871.00	52.93
	Housewives.....	15,066	710,661.00	46.90
	House-workers.....	932	42,495.00	45.80
	Laborers.....	211	10,470.50	49.43
	Manufacturers.....	8	400.00	50.00
	Matrons.....	79	4,064.50	51.70
	Merchants.....	36	1,724.00	47.89
	Millers.....	8	424.00	53.00
	Milliners.....	130	4,761.00	36.62
	Ministers.....	3	135.50	45.17
	Miscellaneous.....	128	5,934.00	46.36
	Musicians.....	20	686.00	34.30
	Nurses.....	57	3,424.50	60.06
	Paupers.....	48	2,585.00	53.85
	Physicians.....	21	1,206.50	57.45
	Prostitutes.....	16	415.00	25.96
	Saloon-keepers.....	9	4,402.50	44.72
	Seamstresses.....	188	7,633.00	40.60
	Spinsters.....	10	573.00	57.30
	Students.....	25	547.50	21.90
	Tailoresses.....	110	5,969.00	54.26
	Teachers.....	400	11,798.00	29.42
	Telegraphers.....	6	150.00	25.00
	Unemployed.....	3,257	183,729.50	56.41
	Unknown.....	3,069	158,002.50	51.48
	Washerwomen.....	51	2,342.50	45.93
	Weavers.....	89	5,994.50	67.35
	Widows.....	10	735.00	73.50

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